

**CERTIFICATE OF ANALYSIS**

|                             |                                      |
|-----------------------------|--------------------------------------|
| <b>Product Name</b>         | AAV9                                 |
| <b>Cat No.</b>              | RP30243CN                            |
| <b>Lot No</b>               | E3726324B                            |
| <b>Sequence</b>             | See appendix for details             |
| <b>Modification</b>         | N/A                                  |
| <b>Size</b>                 | 4.55mg                               |
| <b>Storage</b>              | -20°C                                |
| <b>Recommended Solvent*</b> | Dimethyl sulfoxide(Analytical grade) |
| <b>HPLC purity</b>          | ≥90.0%                               |
| <b>Appearance</b>           | White lyophilized powder             |
| <b>Comments</b>             | TFA salts                            |

\*Note: Above recommended solvents for reference only. If there is any request for detailed dissolution conditions, we suggest you choose our 'Peptide Solubility Test Service'.

**Caution:**

For laboratory or further manufacturing use only. Not intended for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (TollFree), or 1-732-885-9188.

Certified by: *Shanshan Wei* Date: 02/07/2024

Thank you for your patronage to our Peptide services! To maintain this working relationship, we shall be grateful if you can add our webpage URL into your lab website. As a token of appreciation, you will be rewarded by 1,000 EZcoupon™ points. For more information, please contact us by e-mail at [web@genscript.com](mailto:web@genscript.com).

**Appendix:**

| Sequence        | MW      | Quantity | Purity |
|-----------------|---------|----------|--------|
| MAADGYLPDWLEDNL | 1722.88 | 25ug     | 90.4%  |
| GYPDWLEDNLSEGI  | 1720.84 | 25ug     | 93.3%  |
| DWLEDNLSEGIREWW | 1948.06 | 25ug     | 90.2%  |
| DNLSEGIREWWALKP | 1814.01 | 25ug     | 99.0%  |
| EGIREWWALKPGAPQ | 1737.96 | 25ug     | 95.6%  |
| EWWALKPGAPQPKAN | 1692.92 | 25ug     | 98.5%  |
| LKPGAPQPKANQQHQ | 1641.84 | 25ug     | 94.6%  |

|                 |         |      |       |
|-----------------|---------|------|-------|
| APQPKANQQHQDNAR | 1702.79 | 25ug | 93.1% |
| KANQQHQDNARGLVL | 1691.85 | 25ug | 99.1% |
| QHQDNARGLVLPGYK | 1695.88 | 25ug | 96.9% |
| NARGLVLPGYKYLGP | 1617.90 | 25ug | 96.5% |
| LVLPGYKYLPGNGL  | 1560.84 | 25ug | 95.8% |
| GYKYLPGNGLDKGE  | 1567.70 | 25ug | 90.3% |
| LPGNGLDKGEPVNA  | 1437.56 | 25ug | 98.4% |
| NGLDKGEPVNAADAA | 1441.51 | 25ug | 97.1% |
| KGEPVNAADAAALEH | 1492.60 | 25ug | 96.3% |
| VNAADAAALEHDKAY | 1558.65 | 25ug | 91.3% |
| DAAALEHDKAYDQQL | 1687.77 | 25ug | 97.4% |
| LEHDKAYDQQLKAGD | 1730.84 | 25ug | 96.8% |
| KAYDQQLKAGDNPYL | 1723.89 | 25ug | 97.2% |
| QQLKAGDNPYLKYNH | 1788.96 | 25ug | 98.7% |
| AGDNPYLKYNHADA  | 1677.73 | 25ug | 95.7% |
| PYLKYNHADAQER   | 1881.02 | 25ug | 90.4% |
| YNHADAQERLQED   | 1864.93 | 25ug | 98.4% |
| DAEQERLQEDTSFG  | 1771.84 | 25ug | 91.8% |
| QERLQEDTSFGNGL  | 1650.75 | 25ug | 90.4% |
| KEDTSFGNGLGRAV  | 1597.73 | 25ug | 91.6% |
| SFGNGLGRAVQAKK  | 1579.81 | 25ug | 98.7% |
| NLGRAVQAKKRLL   | 1743.07 | 25ug | 95.7% |
| AVQAKKRLLPLGL   | 1683.05 | 25ug | 96.6% |
| AKKRLLPLGLVEEA  | 1665.98 | 25ug | 97.0% |
| LLEPLGLVEEAAKTA | 1553.80 | 25ug | 95.0% |
| LGLVEEAAKTAPGK  | 1511.77 | 25ug | 97.4% |
| EEAAKTAPGKKRPVE | 1610.82 | 25ug | 91.2% |
| KTAPGKKRPVEQSPQ | 1650.88 | 25ug | 97.1% |
| GKKRPVEQSPQEPDS | 1681.81 | 25ug | 93.3% |
| PVEQSPQEPDSSAGI | 1540.59 | 25ug | 90.4% |
| SPQEPDSSAGIGKSG | 1416.45 | 25ug | 93.2% |
| PDSSAGIGKSGAQA  | 1342.42 | 25ug | 96.9% |
| AGIGKSGAQPAKKRL | 1481.75 | 25ug | 92.0% |
| KSGAQPAKKRLNFGQ | 1629.87 | 25ug | 94.8% |
| QPAKKRLNFGQTGDT | 1660.84 | 25ug | 92.6% |
| KRLNFGQTGDTESVP | 1648.78 | 25ug | 96.4% |
| FGQTGDTESVPDPQP | 1574.61 | 25ug | 98.1% |
| GDTESVPDPQPIGEP | 1537.59 | 25ug | 93.6% |
| SVPDPQPIGEPAAAP | 1471.62 | 25ug | 96.8% |
| PQPIGEPAAAPSGVG | 1373.52 | 25ug | 94.0% |
| GEPPAAPSGVGSMTM | 1370.53 | 25ug | 90.9% |
| AAPSGVGSMTMASGG | 1262.40 | 25ug | 96.9% |
| GVGSMTMASGGGAPV | 1260.42 | 25ug | 98.7% |
| LTMASGGGAPVADNN | 1374.48 | 25ug | 94.3% |
| SGGGAPVADNNEGAD | 1330.28 | 25ug | 99.0% |
| APVADNNEGADGVGS | 1372.36 | 25ug | 92.0% |

|                 |         |      |       |
|-----------------|---------|------|-------|
| DNNEGADGVGSSSGN | 1379.26 | 25ug | 98.2% |
| GADGVGSSSGNWHCD | 1448.44 | 25ug | 90.2% |
| VGSSSGNWHCDSQWL | 1662.75 | 25ug | 94.4% |
| SGNWHCDSQWLGDRV | 1759.86 | 25ug | 94.4% |
| HCDSQWLGDRVITTS | 1717.87 | 25ug | 90.3% |
| QWLGDRVITTSTRTW | 1820.02 | 25ug | 90.0% |
| DRVITTSTRTWALPT | 1717.93 | 25ug | 96.6% |
| TTSTRTWALPTYNNH | 1762.88 | 25ug | 98.1% |
| RTWALPTYNNHLYKQ | 1905.13 | 25ug | 97.9% |
| LPTYNNHLYKQISNS | 1791.97 | 25ug | 97.0% |
| NNHLYKQISNSTSGG | 1619.70 | 25ug | 94.2% |
| YKQISNSTSGSSND  | 1544.54 | 25ug | 96.6% |
| SNSTSGSSNDNAYF  | 1507.44 | 25ug | 90.0% |
| SGSSNDNAYFGYST  | 1526.48 | 25ug | 90.7% |
| SNDNAYFGYSTPWGY | 1741.77 | 25ug | 93.6% |
| AYFGYSTPWGYDFDN | 1834.94 | 25ug | 90.2% |
| YSTPWGYDFDNRFHC | 1940.11 | 25ug | 92.3% |
| WGYDFDNRFHCHFSP | 1960.14 | 25ug | 95.2% |
| DFNRFHCHFSPRDWQ | 1992.15 | 25ug | 95.8% |
| FHCHFSPRDWQRLIN | 1956.20 | 25ug | 92.1% |
| FSPRDWQRLINNNWG | 1903.07 | 25ug | 93.4% |
| DWQRLINNNWGFPRK | 1944.17 | 25ug | 95.8% |
| LINNNWGFPRKRLNF | 1889.18 | 25ug | 96.3% |
| NWGFPRKRLNFKLFN | 1937.26 | 25ug | 95.0% |
| RPKRLNFKLFNIQVK | 1901.31 | 25ug | 97.7% |
| LNFKLFNIQVKEVTD | 1808.09 | 25ug | 92.7% |
| LFNIQVKEVTDNNGV | 1689.87 | 25ug | 91.4% |
| QVKEVTDNNGVKTIA | 1615.79 | 25ug | 96.7% |
| VTDNNGVKTIANNLT | 1573.71 | 25ug | 96.9% |
| NGVKTIANNLTSTVQ | 1559.73 | 25ug | 90.7% |
| TIANNLTSTVQVFTD | 1623.77 | 25ug | 90.4% |
| NLTSTVQVFTDSDYQ | 1717.79 | 25ug | 95.4% |
| TVQVFTDSDYQLPYV | 1774.93 | 25ug | 94.2% |
| FTDSDYQLPYVLGSA | 1675.80 | 25ug | 92.1% |
| DYQLPYVLGSAHEGC | 1651.80 | 25ug | 96.3% |
| PYVLGSAHEGCLPPF | 1586.82 | 25ug | 92.1% |
| GSAHEGCLPPFPADV | 1496.65 | 25ug | 93.7% |
| EGCLPPFPADVFMIP | 1632.95 | 25ug | 93.8% |
| PPFPADVFMIPQYGY | 1742.01 | 25ug | 90.1% |
| ADVFMIPQYGYLTLN | 1745.01 | 25ug | 96.1% |
| MIPQYGYLTLNDGSQ | 1699.89 | 25ug | 92.9% |
| YGYLTLNDGSQAVGR | 1613.73 | 25ug | 93.4% |
| TLNDGSQAVGRSSFY | 1601.68 | 25ug | 93.6% |
| GSQAVGRSSFYCLEY | 1666.82 | 25ug | 90.6% |
| VGRSSFYCLEYFPSQ | 1782.98 | 25ug | 95.2% |
| SFYCLEYFPSQMLRT | 1885.18 | 25ug | 90.4% |

|                 |         |      |       |
|-----------------|---------|------|-------|
| LEYFPSQMLRTGNNF | 1817.04 | 25ug | 98.4% |
| PSQMLRTGNNFQFSY | 1789.97 | 25ug | 92.1% |
| LRTGNNFQFSYEFEN | 1865.96 | 25ug | 90.9% |
| NNFQFSYEFENVPFH | 1919.02 | 25ug | 90.7% |
| FSYEFENVPFHSSYA | 1823.92 | 25ug | 98.9% |
| FENVPFHSSYAHSQS | 1736.80 | 25ug | 95.0% |
| PFHSSYAHSQSLDRL | 1744.87 | 25ug | 95.6% |
| SYAHSQSLDRLMNPL | 1731.94 | 25ug | 98.0% |
| SQSLDRLMNPLIDQY | 1793.02 | 25ug | 95.2% |
| DRLMNPLIDQYLYYL | 1930.24 | 25ug | 97.0% |
| NPLIDQYLYLSKTI  | 1844.12 | 25ug | 92.4% |
| DQYLYLSKTINGSG  | 1721.87 | 25ug | 95.1% |
| YLSKTINGSGQNQQ  | 1700.81 | 25ug | 99.4% |
| KTINGSGQNQQTLKF | 1663.84 | 25ug | 91.4% |
| GSGQNQQTLKFSVAG | 1521.64 | 25ug | 98.1% |
| NQQTLKFSVAGPSNM | 1621.82 | 25ug | 96.1% |
| LKFSVAGPSNMAVQG | 1505.74 | 25ug | 93.0% |
| VAGPSNMAVQGRNYI | 1576.78 | 25ug | 93.3% |
| SNMAVQGRNYIPGPS | 1590.77 | 25ug | 92.8% |
| VQGRNYIPGPSYRQQ | 1762.93 | 25ug | 98.2% |
| NYIPGPSYRQQRVST | 1765.93 | 25ug | 99.4% |
| GPSYRQQRVSTTVTQ | 1707.85 | 25ug | 96.2% |
| RQQRVSTTVTQNNNS | 1732.82 | 25ug | 90.0% |
| VSTTVTQNNNSEFAW | 1697.76 | 25ug | 92.0% |
| VTQNNNSEFAWPGAS | 1621.67 | 25ug | 99.4% |
| NNSEFAWPGASSWAL | 1636.73 | 25ug | 90.1% |
| FAWPGASSWALNGRN | 1633.77 | 25ug | 96.9% |
| GASSWALNGRNSLMN | 1577.73 | 25ug | 92.3% |
| WALNGRNSLMNPGPA | 1597.80 | 25ug | 92.4% |
| GRNSLMNPGPAMASH | 1539.75 | 25ug | 98.0% |
| LMNPGPAMASHKEGE | 1568.78 | 25ug | 90.9% |
| GPAMASHKEGEDRFF | 1678.83 | 25ug | 98.1% |
| ASHKEGEDRFFPLSG | 1676.79 | 25ug | 96.5% |
| EGEDRFFPLSGSLIF | 1713.89 | 25ug | 96.7% |
| RFFPLSGSLIFGKQG | 1653.93 | 25ug | 93.0% |
| LSGSLIFGKQGTGRD | 1535.71 | 25ug | 94.5% |
| LIFGKQGTGRDNVDA | 1590.74 | 25ug | 94.6% |
| KQGTGRDNVDADKVM | 1633.79 | 25ug | 92.0% |
| GRDNVDADKVMITNE | 1676.81 | 25ug | 93.3% |
| VDADKVMITNEEEIK | 1733.94 | 25ug | 90.4% |
| KVMITNEEEIKTTNP | 1746.98 | 25ug | 93.1% |
| TNEEEIKTTNPVATE | 1675.75 | 25ug | 98.4% |
| EIKTTNPVATESYGQ | 1637.75 | 25ug | 97.0% |
| TNPVATESYGQVATN | 1551.62 | 25ug | 92.0% |
| ATESYGQVATNHQSA | 1563.59 | 25ug | 95.4% |
| YGQVATNHQSAQAQA | 1573.63 | 25ug | 97.2% |

|                 |         |      |       |
|-----------------|---------|------|-------|
| ATNHQSAQAQAQTGW | 1598.64 | 25ug | 95.4% |
| QSAQAQAQTGWVQNQ | 1644.71 | 25ug | 96.6% |
| AQAQTGWVQNQGILP | 1610.78 | 25ug | 95.2% |
| TGWVQNQGILPGMVW | 1685.95 | 25ug | 97.5% |
| QNQGILPGMVWQDRD | 1756.94 | 25ug | 95.9% |
| ILPGMVWQDRDVYLQ | 1833.12 | 25ug | 97.9% |
| MVWQDRDVYLQGPW  | 1906.18 | 25ug | 97.9% |
| DRDVYLQGPWAKIP  | 1771.03 | 25ug | 95.3% |
| YLQGPWAKIPHTDG  | 1695.92 | 25ug | 94.2% |
| PIWAKIPHTDGNFHP | 1729.94 | 25ug | 90.2% |
| KIPHTDGNFHPSPLM | 1690.93 | 25ug | 96.3% |
| TDGNFHPSPLMGGFG | 1533.67 | 25ug | 93.2% |
| FHPSPLMGGFGMKHP | 1639.95 | 25ug | 96.2% |
| PLMGGFGMKHPPPQI | 1606.96 | 25ug | 95.9% |
| GFGMKHPPPQILIKN | 1677.03 | 25ug | 90.2% |
| KHPPPQILIKNTPVP | 1679.02 | 25ug | 98.5% |
| PQILIKNTPVPADPP | 1599.88 | 25ug | 90.3% |
| IKNTPVPADPPTAFN | 1581.77 | 25ug | 97.6% |
| PVPADPPTAFNKDKL | 1609.83 | 25ug | 92.0% |
| DPPTAFNKDKLNSFI | 1706.90 | 25ug | 97.4% |
| AFNKDKLNSFITQYS | 1775.96 | 25ug | 95.5% |
| DKLNSFITQYSTGQV | 1700.85 | 25ug | 97.6% |
| SFITQYSTGQVSVEI | 1658.81 | 25ug | 93.3% |
| QYSTGQVSVEIEWEL | 1767.89 | 25ug | 90.5% |
| GQVSVEIEWELQKEN | 1787.93 | 25ug | 95.6% |
| VEIEWELQKENSQRW | 1974.19 | 25ug | 95.9% |
| WELQKENSQRWNPEI | 1957.16 | 25ug | 97.8% |
| KENSQRWNPEIQYTS | 1880.03 | 25ug | 95.5% |
| KRWNPEIQYTSNYYK | 1990.19 | 25ug | 96.6% |
| PEIQYTSNYYKSNNV | 1819.93 | 25ug | 93.7% |
| YTSNYYKSNNVEFAV | 1798.91 | 25ug | 94.2% |
| YYKSNNVEFAVNTEG | 1734.82 | 25ug | 92.2% |
| NNVEFAVNTEGVYSE | 1671.72 | 25ug | 90.1% |
| FAVNTEGVYSEPRPI | 1678.85 | 25ug | 93.2% |
| TEGVYSEPRPIGTRY | 1724.88 | 25ug | 98.9% |
| YSEPRPIGTRYLTRN | 1823.03 | 25ug | 96.3% |
| RPIGTRYLTRNL    | 1459.70 | 25ug | 97.6% |