

**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	AAV2
<b>Cat No.</b>	RP30240CN
<b>Lot No</b>	E1669423G
<b>Sequence</b>	See appendix for details
<b>Modification</b>	N/A
<b>Size</b>	4.525mg
<b>Storage</b>	-20°C
<b>Recommended Solvent*</b>	Dimethyl sulfoxide(Analytical grade)
<b>HPLC purity</b>	≥70.0%
<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: 07/14/2023

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
MAADGYLPDWLEDTL	1709.88	25ug	≥70.0%
GYLPDWLEDTLSEGI	1707.84	25ug	≥70.0%
DWLEDTLSEGIRQWW	1934.08	25ug	≥70.0%
DTLSEGIRQWWKLKP	1857.13	25ug	≥70.0%
EGIRQWWKLKPGPPP	1789.10	25ug	≥70.0%
QWWKLKPGPPPKPA	1727.07	25ug	≥70.0%

LKPGPPPPKPAERHK	1648.96	25ug	≥70.0%
PPPPKPAERHKDDSR	1726.90	25ug	≥70.0%
KPAERHKDDSRGLVL	1720.94	25ug	≥70.0%
RHKDDSRGLVLPGYK	1740.97	25ug	≥70.0%
DSRGLVLPGYKYLGP	1634.88	25ug	≥70.0%
LVLPGYKYLGPFNGL	1650.97	25ug	≥70.0%
GYKYLGPFNGLDKGE	1657.83	25ug	≥70.0%
LGPFNGLDKGEPVNE	1585.72	25ug	≥70.0%
NGLDKGEPVNEADAA	1499.54	25ug	≥70.0%
KGEPVNEADAAALEH	1550.63	25ug	≥70.0%
VNEADAAALEHDKAY	1616.69	25ug	≥70.0%
DAAALEHDKAYDRQL	1715.83	25ug	≥70.0%
LEHDKAYDRQLDSGD	1761.81	25ug	≥70.0%
KAYDRQLDSGDNPYL	1754.86	25ug	≥70.0%
RQLDSGDNPYLKYNH	1819.94	25ug	≥70.0%
SGDNPYLKYNHADA	1693.73	25ug	≥70.0%
PYLKYNHADA EFQER	1881.02	25ug	≥70.0%
YNHADA EFQERLKED	1864.93	25ug	≥70.0%
DAEFQERLKEDTSFG	1771.84	25ug	≥70.0%
QERLKEDTSFGGNLG	1650.75	25ug	≥70.0%
KEDTSFGGNLGRAVF	1597.73	25ug	≥70.0%
SFGGNLGRAVFQAKK	1579.81	25ug	≥70.0%
NLGRAVFQAKKRVLE	1729.04	25ug	≥70.0%
AVFQAKKRVLEPLGL	1669.03	25ug	≥70.0%
AKKRVLEPLGLVEEP	1677.99	25ug	≥70.0%
VLEPLGLVEEPVKTA	1593.87	25ug	≥70.0%
LGLVEEPVKTAPGKK	1565.86	25ug	≥70.0%
EVPVKTAPGKKRPVE	1664.91	25ug	≥70.0%
KTAPGKKRPVEHSPV	1630.90	25ug	≥70.0%
GKKRPVEHSPVEPDS	1661.82	25ug	≥70.0%
PVEHSPVEPDSSSGT	1524.55	25ug	≥70.0%
SPVEPDSSSGTGKAG	1375.40	25ug	≥70.0%
PDSSSGTGKAGQQPA	1387.42	25ug	≥70.0%
SGTGKAGQQPARKRL	1554.76	25ug	≥70.0%
KAGQQPARKRLNFGQ	1698.93	25ug	≥70.0%
QPARKRLNFGQTGDA	1658.82	25ug	≥70.0%
KRLNFGQTGDADSV	1604.73	25ug	≥70.0%
FGQTGDADSVDPQP	1530.56	25ug	≥70.0%
GDADSVDPQPPLGQP	1492.55	25ug	≥70.0%
SVPDPQPPLGQPPAAP	1470.63	25ug	≥70.0%
PQPPLGQPPAAPSGLG	1386.56	25ug	≥70.0%
GQPPAAPSGLGTNTM	1398.55	25ug	≥70.0%
AAPSGLGTNTMATGS	1335.45	25ug	≥70.0%
GLGTNTMATGSGAPM	1365.54	25ug	≥70.0%
NTMATGSGAPMADNN	1451.55	25ug	≥70.0%
TGSGAPMADNNEGAD	1406.40	25ug	≥70.0%

APMADNNEGADGVGN	1431.45	25ug	≥70.0%
DNNEGADGVGNSSGN	1406.29	25ug	≥70.0%
GADGVGNSSGNWHCD	1475.46	25ug	≥70.0%
VGNSSGNWHCDSTWM	1680.78	25ug	≥70.0%
SGNWHCDSTWMGDRV	1750.88	25ug	≥70.0%
HCDSTWMGDRVITTS	1708.88	25ug	≥70.0%
TWMGDRVITTSTRTW	1811.04	25ug	≥70.0%
DRVITTSTRTWALPT	1717.93	25ug	≥70.0%
TTSTRTWALPTYNNH	1762.88	25ug	≥70.0%
RTWALPTYNNHLYKQ	1905.13	25ug	≥70.0%
LPTYNNHLYKQISSQ	1805.99	25ug	≥70.0%
NNHLYKQISSQSGAS	1633.73	25ug	≥70.0%
YKQISSQSGASNDNH	1635.66	25ug	≥70.0%
SSQSGASNDNHYFGY	1633.59	25ug	≥70.0%
GASNDNHYFGYSTPW	1715.74	25ug	≥70.0%
DNHYFGYSTPWGYFD	1868.92	25ug	≥70.0%
FGYSTPWGYFDNRF	1904.05	25ug	≥70.0%
TPWGYFDNRFHCHF	1974.17	25ug	≥70.0%
YFDNRFHCHFSPRD	1988.16	25ug	≥70.0%
NRFHCHFSPRDWQRL	1999.23	25ug	≥70.0%
CHFSPRDWQRLINNN	1900.09	25ug	≥70.0%
PRDWQRLINNNWGFR	1972.18	25ug	≥70.0%
QRLINNNWGFRPKRL	1912.21	25ug	≥70.0%
NNNWGFRPKRLNFKL	1904.19	25ug	≥70.0%
GFRPKRLNFKLFNIQ	1878.24	25ug	≥70.0%
KRLNFKLFNIQVKEV	1876.26	25ug	≥70.0%
FKLFNIQVKEVTQND	1823.06	25ug	≥70.0%
NIQVKEVTQNDGTTT	1647.75	25ug	≥70.0%
KEVTQNDGTTTIANN	1605.67	25ug	≥70.0%
QNDGTTTIANNLTST	1550.59	25ug	≥70.0%
TTTIANNLTSTVQVF	1609.78	25ug	≥70.0%
ANNLTSTVQVFDTSE	1625.70	25ug	≥70.0%
TSTVQVFTDSEYQLP	1714.83	25ug	≥70.0%
QVFTDSEYQLPYVLG	1758.93	25ug	≥70.0%
DSEYQLPYVLGSAHQ	1706.81	25ug	≥70.0%
QLPYVLGSAHQGCLP	1582.83	25ug	≥70.0%
VLGSAHQGCLPPFPA	1493.74	25ug	≥70.0%
AHQGCLPPFPADVFM	1629.91	25ug	≥70.0%
CLPPFPADVFMVPQY	1724.06	25ug	≥70.0%
FPADVFMVPQYGYLT	1748.02	25ug	≥70.0%
VFMVPQYGYLTLNNG	1715.97	25ug	≥70.0%
PQYGYLTLNNGSQAV	1624.76	25ug	≥70.0%
YLTLNNGSQAVGRSS	1566.68	25ug	≥70.0%
NNGSQAVGRSSFYCL	1602.73	25ug	≥70.0%
QAVGRSSFYCLEYFP	1766.98	25ug	≥70.0%
RSSFYCLEYFPSQML	1871.15	25ug	≥70.0%

YCLEYFPSQMLRTGN	1822.08	25ug	≥70.0%
YFPSQMLRTGNNFTF	1823.05	25ug	≥70.0%
QMLRTGNNFTFSYTF	1827.03	25ug	≥70.0%
TGNNFTFSYTFEDVP	1738.81	25ug	≥70.0%
FTFSYTFEDVPFHSS	1810.92	25ug	≥70.0%
YTFEDVPFHSSYAHS	1786.86	25ug	≥70.0%
DVPFHSSYAHSQSLD	1689.74	25ug	≥70.0%
HSSYAHSQSLDRLMN	1745.88	25ug	≥70.0%
AHSQSLDRLMNPLID	1709.93	25ug	≥70.0%
SLDRLMNPLIDQYLY	1854.14	25ug	≥70.0%
LMNPLIDQYLYLSR	1902.23	25ug	≥70.0%
LIDQYLYLSRTNTP	1860.08	25ug	≥70.0%
YLYLSRTNTPSGTT	1736.88	25ug	≥70.0%
LSRTNTPSGTTTQSR	1606.70	25ug	≥70.0%
NTPSGTTTQSRQFS	1624.72	25ug	≥70.0%
GTTTQSRQFSQAGA	1552.65	25ug	≥70.0%
QSRQFSQAGASDIR	1663.80	25ug	≥70.0%
QFSQAGASDIRDQSR	1665.73	25ug	≥70.0%
AGASDIRDQSRNWLP	1685.80	25ug	≥70.0%
DIRDQSRNWLPGPCY	1820.00	25ug	≥70.0%
QSRNWLPGPCYRQQR	1889.11	25ug	≥70.0%
WLPGPCYRQQRVSKT	1819.10	25ug	≥70.0%
PCYRQQRVSKTSADN	1752.91	25ug	≥70.0%
QQRVSKTSADNNNSE	1677.69	25ug	≥70.0%
SKTSADNNNSEYSWT	1703.68	25ug	≥70.0%
ADNNNSEYSWTGATK	1657.66	25ug	≥70.0%
NSEYSWTGATKYHLN	1770.86	25ug	≥70.0%
SWTGATKYHLNGRDS	1692.79	25ug	≥70.0%
ATKYHLNGRDSLVP	1684.86	25ug	≥70.0%
HLNGRDSLVPNPGPAM	1577.77	25ug	≥70.0%
RDSLVPNPGPAMASHK	1579.79	25ug	≥70.0%
VNPGPAMASHKDDEE	1596.68	25ug	≥70.0%
PAMASHKDDEEKFFP	1748.92	25ug	≥70.0%
SHKDDEEKFFPQSGV	1749.84	25ug	≥70.0%
DEEKFFPQSGVLIFG	1712.90	25ug	≥70.0%
FFPQSGVLIFGKQGS	1611.85	25ug	≥70.0%
SGVLIFGKQGSEKTN	1564.75	25ug	≥70.0%
IFGKQGSEKTNVDIE	1664.82	25ug	≥70.0%
QGSEKTNVDIEKVM	1690.92	25ug	≥70.0%
KTNVDIEKVMITDEE	1763.97	25ug	≥70.0%
DIEKVMITDEEEIRT	1821.02	25ug	≥70.0%
VMITDEEEIRTTNPV	1746.94	25ug	≥70.0%
DEEEIRTTNPVATEQ	1731.78	25ug	≥70.0%
IRTTNPVATEQYGSV	1635.78	25ug	≥70.0%
NPVATEQYGSVSTNL	1579.67	25ug	≥70.0%
TEQYGSVSTNLQRGN	1653.71	25ug	≥70.0%

GSVSTNLQRGNRQAA	1558.66	25ug	≥70.0%
TNLQRGNRQAATADV	1614.73	25ug	≥70.0%
RGNRQAATADVNTQG	1558.62	25ug	≥70.0%
QAATADVNTQGVLPG	1441.55	25ug	≥70.0%
ADVNTQGVLPGMVWQ	1614.83	25ug	≥70.0%
TQGVLPGMVWQDRDV	1700.92	25ug	≥70.0%
LPGMVWQDRDVYLQG	1777.02	25ug	≥70.0%
VWQDRDVYLQGPWA	1846.06	25ug	≥70.0%
RDVYLQGPWAKIPH	1793.09	25ug	≥70.0%
LQGPWAKIPHDTGH	1669.89	25ug	≥70.0%
IWAKIPHDTGHFHP	1742.94	25ug	≥70.0%
IPHTDGHFHPPLMG	1642.84	25ug	≥70.0%
DGHFHPPLMGGFGL	1568.76	25ug	≥70.0%
HPSPLMGGFGLKHP	1571.85	25ug	≥70.0%
LMGGFGLKHPPPQIL	1604.96	25ug	≥70.0%
FGLKHPPPQILIKNT	1703.05	25ug	≥70.0%
HPPQILIKNTPVPA	1621.93	25ug	≥70.0%
QILIKNTPVPANPST	1592.84	25ug	≥70.0%
KNTPVPANPSTTFSA	1531.67	25ug	≥70.0%
VPANPSTTFSAAKFA	1508.68	25ug	≥70.0%
PSTTFSAAKFASFIT	1575.77	25ug	≥70.0%
FSAAKFASFITQYST	1668.85	25ug	≥70.0%
KFASFITQYSTGQVS	1663.83	25ug	≥70.0%
FITQYSTGQVSVEIE	1700.85	25ug	≥70.0%
YSTGQVSVEIEWELQ	1767.89	25ug	≥70.0%
QVSVEIEWELQKENS	1817.96	25ug	≥70.0%
EIEWELQKENSKRWN	1989.16	25ug	≥70.0%
ELQKENSKRWNPEIQ	1899.08	25ug	≥70.0%
ENSKRWNPEIQYTSN	1865.96	25ug	≥70.0%
RWNPEIQYTSNYNKS	1900.02	25ug	≥70.0%
EIQYTSNYNKSVNVD	1773.86	25ug	≥70.0%
TSNYNKSVNVDFTVD	1702.78	25ug	≥70.0%
NKSVNVDFTVDTNGV	1608.71	25ug	≥70.0%
NVDFTVDTNGVYSEP	1656.71	25ug	≥70.0%
TVDTNGVYSEPRPIG	1604.72	25ug	≥70.0%
NGVYSEPRPIGTRYL	1721.92	25ug	≥70.0%
SEPRPIGTRYLTRNL	1773.01	25ug	≥70.0%