

NOV, Human

Cat. No.: Z03152-50

Size: 50.0 ug

Synonyms: Nephroblastoma Overexpressed gene, CCN3, IGFBP9, NovH

Description:

Nephroblastoma Overexpressed Gene Protein (NOV), also known as CCN3, IGFBP9 and NOVH, is one of the CCN family of secreted proteins. It is expressed in bone marrow, thymic cells and nephroblastoma. NOV signals through integrin receptors, NOTCH1 and fibulin 1c to regulate multiple cellular activities, such as cell adhesion, migration, proliferation and differentiation. The reported functions of NOV are diverse. It has been reported to play a role in angiogenesis and stem cell self-renewal. It has also been implicated in osteogenic differentiation, embryo development and cancer pathogenesis.

Amino Acid Sequence:

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00001 TQRCPQCPG RCPATPPTCA PGVRAVLGDC SCCLVCARQR  
00041 GESCSGLEPC DESSGLYCDR SADPSNQTGI CTAVEGDNCV  
00081 FDGVIYRSGE KFPQSKCFQC TCRDGGIGCV PRCQLDVLLP  
00121 EPNCPAPRKY EVPGECCEKW ICGPDEEDSL GGLTLAAYRP  
00161 EATLQVEVSD SSVNCEIQT EWTACSKSCG MGFSTRVTNR  
00201 NRQCEMLKQT RLCMVRPCEQ EPEQPTDKKG KKCLRKKSL  
00241 KAIHLQFKNC TSLHTYKPRF CGVCSGDRCC TPHNTKTIQA  
00281 EFQCSPGQIV KKPVMVIGTC TCHTNCPKNN EAFLELELK  
00321 TTRGKM
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Source: CHO

Species: Human

Biological Activity: ED₅₀ < 5 µg/ml, measured in a cell proliferation assay using 3T3 cells.

Molecular Weight: 20-50 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/ml.

Purity: > 95% as analyzed by SDS-PAGE and HPLC.

Endotoxin Level: < 0.2 EU/µg, determined by LAL method.

Storage: Lyophilized recombinant Human NOV remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human NOV should be stable up to 1 week at 4°C or up to 2 months at -20°C.