

Overview

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.
Accession No	P48745
Species	Human
Source	CHO
Biological Activity	ED ₅₀ < 5 µg/ml, measured in a cell proliferation assay using 3T3 cells.
Sequence	TQRCPPQCPG RCPATPPTCA PGVRAVLGDC SCCLVCARQR GESCSLEPC DESSGLYCDR SADPSNQTGI CTAVEGDNCV FDGVIYRSGE KFQPSCKFQC TCRDQGIGCV PRCQLDVLLP EPNCPAPRKV EVPGECCEKW ICGPDEEDSL GGLTLAAYRP EATLGVEVSD SSVNCIEQTT EWTACSKSCG MGFSTRVTNR NRQCEMLKQT RLCMVRPCEQ EPEQPTDKKG KKCLRTRKSL KAIHLQFKNC TSLHTYKPRF CGVCSGRCC TPHNTKTIQA EFQCSPGQIV KKPVMVIGTC TCHTNCPKNN EAFLQELELK TTRGKM

Properties

Measured Molecular Weight	20-50 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
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.
Note	For research use only

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