

Active Recombinant Human CCN3 Protein

Cat. No. CCN3-211C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCN3 Protein without tag was expressed in CHO.
Species	Human
Source	CHO
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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 5 µg/mL, measured in a cell proliferation assay using 3T3 cells.
Molecular Mass	20-50 kDa, observed by reducing SDS-PAGE.
AA Sequence	TQRCPPQCPGRCPATPPTCAPGVRAVL DGCSCCLVCARQRGESCS DLEPCDESS GLYCDRSADPSNQTGICTAVEGDNCVFDGVIYRSGEKFQPSCKFQCTCRDGQIGCV PRCQLDVLLPEPNCPAPRKVEVPGECCCKWICGPDEEDSLGGLTLAAYRPEATLGV EVSDSSVNCIEQTTEWTACSKSCGMGFSTRVTNRNRQCEMLKQTRL CMVRPCEQE

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	PEQPTDKKGKKCLRTKKSLKAIHLQFKNCTSLHTYKPRFCGVCSDGRCCTPHNTKTI QAEFQCSPGQIVKKPVMVIGTCTCHTNCPKNNEAFLQELELKTTRGKM
Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Storage	Lyophilized recombinant Human NOV remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human NOV should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name	CCN3 cellular communication network factor 3 [Homo sapiens (human)]
Official Symbol	CCN3
Synonyms	CCN3; cellular communication network factor 3; NOV; NOVh; IBP-9; IGFBP9; IGFBP-9; CCN family member 3; IGF-binding protein 9; insulin-like growth factor-binding protein 9; nephro blastoma-overexpressed gene protein homolog; nephroblastoma overexpressed; nephroblastoma-overexpressed gene protein homolog; protein NOV homolog
Gene ID	4856
mRNA Refseq	NM_002514

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Protein Refseq	NP_002505
MIM	164958
UniProt ID	P48745

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