

## NOV, Human Recombinant

<b>CATALOG NO:</b>	P1022-10 P1022-25	10 µg 25 µg
<b>ALTERNATE NAMES:</b>	Nephroblastoma Overexpressed gene, CCN3, IGFBP9, NovH	
<b>SOURCE:</b>	CHO cells	
<b>PURITY:</b>	> 95% as analyzed by SDS-PAGE and HPLC	
<b>MOL. WT.</b>	20-50 kDa, observed by reducing SDS-PAGE.	
<b>ENDOTOXIN LEVEL:</b>	< 0.2 EU/µg, determined by LAL method.	
<b>FORM:</b>	Lyophilized	
<b>FORMULATION:</b>	Lyophilized after extensive dialysis against PBS.	
<b>STORAGE CONDITIONS:</b>	Centrifuge the vial prior to opening. Lyophilized recombinant Human NOV remains stable up to 6 months at -80°C. Upon reconstitution, Human NOV should be stable up to 1 week at 4°C or up to 2 months at -20°C.	
<b>RECONSTITUTION:</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 µg/ml.	
<b>DESCRIPTION:</b>	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.	
<b>AMINO ACID SEQUENCE:</b>	<p>TQRCPPQCPG RCPATPPTCA PGVRAVLGDC SCCLVCARQR        GESCSLDLEPC DESSGLYCDR SADPSNQTGI CTAVEGDNCV        FDGVIYRSGE KFQPSCKFQC TCRDGGIGCV PRCQLDVLPL        EPNCPAPRKV EVPGECCEKW ICGPDEEDSL GGLTLAAYRP        EATLGVEVSD SSVNCIEQTT EWTACSKSCG MGFSTRVTNR        NRQCEMLKQT RLCMVRPCEQ EPEQPTDKKG KKCLRTRKSL        KAIHLQFKNC TSLHTYKPRF CGVCS DGRCC TPHNKTIQA        EFQCSPGQIV KKPVMVIGTC TCHTNC PKNN EAFLQLELKL        TTRGKM</p>	
<b>BIOLOGICAL ACTIVITY:</b>	ED50 <5 µg/ml, measured in a cell proliferation assay using 3T3 cells.	

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