9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

NOV Human

Nephroblastoma Overexpressed Human Recombinant
GRF0280

Product Overview

Name	NOV Human
Description	
Nephroblastoma Overexpressed Human Recombinant	
Accession (Primary)	P48745
Synonyms	
Protein NOV homolog, NovH, CCN family member 3, nsulin-like growth factor-binding protein 9, IBP-9, IGF-binding protein 9, IGFBP-9, Nephroblastoma-overexpressed gene protein homolog, NOV, CCN3, IGFBP9, NOVH.	
Introduction	
Nephroblastoma Overexpressed (NOV) which is encoded by the NOV gene is a part of the CCN (CTGF/CYR61/NOV) family. NOV takes part in reducing tumorgenicity and proliferation of certain cancer cell lines. NOV interacts with numerous proteins and is involved in both internal and external cell signaling. NOV is expressed in particular tumors, including Wilm′s tumor and most nephroblastomas and is also exerts proangiogenic activities.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 µm filtered concentrated solution in 20mM Tris-HCl, pH 8.6 and 150 mM NaCl.	
Stability	
Lyophilized NOV although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution NOV should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.	
Amino acid sequence	
MQVAATQRCP PQCPGRCPAT PPTCAPGVRA VLDGCSCCLV CARQRGESCS DLEPCDESSG LYCDRSADPS NQTGICTAVE GDNCVFDGVI YRSGEKFQPS CKFQCTCRDG QIGCVPRCQL DVLLPEPNCP APRKVEVPGE CCEKWICGPD EEDSLGGLTL AAYRPEATLG VEVSDSSVNC IEQTTEWTAC SKSCGMGFST RVTNRNRQCE	

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MLKQTRLCMV RPCEQEPEQP TDKKGKKCLR TKKSLKAIHL QFKNCTSLHT YKPRFCGVCS DGRCCTPHNT KTIQAEFQCS PGQIVKKPVM VIGTCTCHTN CPKNNEAFLQ ELELKTTRGK M.

Biological Activity

Determined by a cell proliferation assay using murine Balb/c 3T3 cells is less than 1.0 µg/ml, corresponding to a specific activity of > 1000 IU/mg. range of 10.0 -50.0 ng/ml, corresponding to a specific activity of 20,000-100,000units/mg.

Solubility

It is recommended to reconstitute the lyophilized NOV in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

NOV Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P48745)