# Human NOV Recombinant Protein

**RPPB0806**

## Product Information

**Product SKU:**
RPPB0806

**Accession:**
P48745

**Host:**
Escherichia Coli.

## Protein Information

**Protein description:**
Nephroblastoma Overexpressed Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 331 amino acids and having a molecular mass of 36.2 kDa. The NOV is purified by proprietary chromatographic techniques.

**Appearance:**
Sterile Filtered White lyophilized (freeze-dried) powder.

**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.

**Formulation:**
Lyophilized from a 0.2μm filtered concentrated solution in 20mM Tris-HCl, pH 8.6 and 150 mM NaCl.

**Purity:**
Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**
It is recommended to reconstitute the lyophilized NOV in sterile 18M-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

**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.

**Amino Acid Sequence:**
MQVAATQRCP PQCPGRCPAT PPTCAPGVRA VLDGCSCCLV CARQRGESCS DLEPCDESSG LYCDRSADPS NQTGICTAVE GDNCVFDGVI YRSGEKFQPS CKFQCTCRDG QIGCVPRCQL DVLLPEPNCP APRKVEVPGE CCEKWICGPD EEDSLGGLTL AAYRPEATLG VEVSDSSVNC IEQTTEWTAC SKSCGMGFST RVTNRNRQCE 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.