

RPPB0808

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## Product Information    Protein Information

**Product SKU:**

RPPB0808

**Accession:**

Q64299

**Host:**

Escherichia Coli.

**Protein description:**

NOV Mouse Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 333 amino acids and having a molecular mass of 36.4kDa. 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, Nephroblastoma-overexpressed gene protein homolog, Nov, Ccn3, C130088N23Rik.

**Formulation:**

NOV protein was lyophilized from a 0.2µm filtered concentrated solution in 20mM Tris-HCl, pH 8.5 and 150mM 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 H<sub>2</sub>O 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:**

QVSASLRCPSPCPPKCPSPIS PTCAPGVRSV LDGSCCPVC ARQRGESCSE MRPCDQSSGL YCDRSADPNN  
QTGICMVPEG DNCVFDGVIY RNGEFEPNC QYFCTCRDGQ IGCLPRCQLD VLLPGPDCPA PRKVAVPGEC  
CEKWTGGSDE QGTQGLGGL ALPAYRPEAT VGVEVSDSSI NCIEQTTEWS ACSKSCGMGV STRVTNRRNQ  
CEMVKQTRLC IVRPCEQEPE EVDKKGKCC LRTKSLKAI HLQFENCTSL YTYKPRFCGV CSDGRCCTPH  
NTKTIQVEFQ CLPGEIHKP VMVIGTCTCY SNCPQNNEAF LQDLELKTSR GEI.

**Biological Activity:**

The ED<sub>50</sub> as 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.