

Nephroblastoma Overexpressed Mouse Recombinant

Item Number	rAP-2303
Synonyms	Protein NOV homolog, NovH, CCN family member 3, Nephroblastoma-overexpressed gene protein homolog, Nov, Ccn3, C130088N23Rik.
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.
Uniprot Accession Number	Q64299
Amino Acid Sequence	QVSASLRCPD RCPPKCPDPTSCAPGVRSLDGCSCCPVCAARQRGESCSEMRPCDQSSGLYCDR-SADPNNQTGICMVPEGDNCVFDGVIYRNGEKFEPNCQYFCTCRDGGIGCLPRCQLDVLLPGPDCPA PRKVAVPGECCEKWTCGSDEQGTQGTGGALALPAYRPEATVGVEVSDSSI NCIEQTTEWS ACSKSCGMGVSTRVTNRNRQCEMVKQTRLCIVRPCEQEPEEVTDKKGGKCLRTKKSLKAI HLQFENCTSLYTYKPRFCGVCSDGRCCTPHNTKTIQVEFQCLPGEIHKPVMVIGTCTCYSNCPQN- NEAF LQDLELKTSGEI.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	NOV protein was lyophilized from a 0.2µm filtered concentrated solution in 20mM Tris-HCl, pH 8.5 and 150mM NaCl. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized NOV in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ 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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**