

Human NOV Recombinant Protein, PeproTech®

Product Details

Size	1 mg
Species	Human
Published Species	Human, Mouse, Chicken
Expression system	E. coli
Amino acid sequence	MQVAATQRCP PQCPGRCPAT PPTCAPGVRA VLDGCSCCLV CARQRGESCS DLEPCDESSG LYCDRSADPS NQTGICTAVE GDNCVFDGVI YRSGEKFQPS CKFQCTCRDG QIGCVPRCQL DVLLPEPNCP APRKVEVPGE CCEKWICGPD EEDSLGGLTL AAYRPEATLG VEVSDSSVNC IEQTTEWTAC SKSCGMGFST RVTNRNRQCE MLKQTRL CMV RPCEQEPEQP TDKKGKKCLR TKKSLKAIHL QFKNCTSLHT YKPRFCGVCS DGRCCTPHNT KTIQAEFQCS PGQIVKKPVM VIGTCTCHTN CPKNNEAFLQ EELKTTRGK M
Molecular weight	36.2 kDa
Class	Recombinant
Type	Protein
Purity	95% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/μg
Activity	Determined by a cell proliferation assay using BALB/c 3T3 cells. The expected ED50 for this effect is 1.0-2.0 ug/ml
Conjugate	Unconjugated
Form	Lyophilized
Purification	HPLC, SDS-PAGE
Contains	no preservative
Storage conditions	-20°C

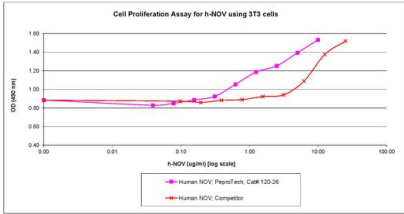
Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	-
In vitro Assay (IV)	-	2 Publications
Miscellaneous PubMed (Misc)	-	2 Publications

Product Specific Information

Recombinant Human NOV is a 36.2 kDa protein containing 331 amino acid residues. It is composed of four distinct structural domains (modules): the IGF binding protein (IGFBP) domain; the von Willebrand Factor C (VWFC) domain; the Thrombospondin type-I (TSP type-1) domain; and a C-terminal cysteine knot-like domain (CTCK).

This product is shipped at ambient temperature. For storage, handling and reconstitution information, please see the lot-specific Certificate of Analysis

Product Images For Human NOV Recombinant Protein, PeproTech®



Human NOV Protein (120-26-1MG) in FN
Bioassay analysis of Human NOV Recombinant Protein, PeproTech® (Product # 120-26-1MG).

4 References

In vitro Assay (2)

<p>The Journal of biological chemistry</p> <p>Nephroblastoma overexpressed (Nov) inhibits osteoblastogenesis and causes osteopenia.</p> <p>Authors: Rydzziel S, Stadmeyer L, Zanotti S, Durant D, Smerdel-Ramoya A, Canalis E</p>	<p>Year 2007</p> <p>Species Mouse</p>
--	---

<p>Blood</p> <p>A novel mechanism for BCR-ABL action: stimulated secretion of CCN3 is involved in growth and differentiation regulation.</p> <p>Authors: McCallum L, Price S, Planque N, Perbal B, Pierce A, Whetton AD, Irvine AE</p>	<p>Year 2006</p> <p>Species Human</p>
---	---

Miscellaneous PubMed (2)

<p>The Journal of investigative dermatology</p> <p>Decreased CCN3 in Systemic Sclerosis Endothelial Cells Contributes to Impaired Angiogenesis.</p> <p>"120-26 was used in Cell Culture to study if CCN3, a member of the CCN family of extracellular matrix proteins, which is an antagonist of the profibrotic protein CCN2 as well as a proangiogenic factor, is implicated in systemic sclerosis (SS) pathophysiology."</p> <p>Authors: Henrot P, Moisan F, Laurent P, Manicki P, Kaulanjan-Checkmodine P, Jolivel V, Rezvani HR, Leroy V, Picard F, Boulon C, Schaefferbeke T, Seneschal J, Lazaro E, Taïeb A, Truchetet ME, Cario M</p>	<p>Year 2020</p> <p>Species Human</p>
--	---

<p>PloS one</p> <p>Defining the earliest transcriptional steps of chondrogenic progenitor specification during the formation of the digits in the embryonic limb.</p> <p>Authors: Lorda-Diez CI, Montero JA, Diaz-Mendoza MJ, Garcia-Porrero JA, Hurlé JM</p>	<p>Year 2012</p> <p>Species Chicken</p>
--	---

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.