

# Product Datasheet

## Recombinant Human NOV/CCN3 Protein NBP2-35084-5ug

Unit Size: 5ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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**NBP2-35084-5ug**

Recombinant Human NOV/CCN3 Protein

Product Information	
Unit Size	5ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in 20 mM Tris-HCl, pH 8.6, 150 mM NaCl.
Target Molecular Weight	36.2 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 331 amino acids corresponding to NOV/CCN3 <b>Source:</b> <i>E. coli</i>  <b>Uniprot ID:</b> P48745  <b>Amino Acid Sequence:</b> MQVAATQRCP PQCPRCPAT 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 DGRCCPTHNT KTIQAEFQCS PGQIVKKPVM VIGTCTCHTN CPKNNEAFLQ ELELKTTRGK M
Gene ID	4856
Gene Symbol	CCN3
Species	Human
Details of Functionality	CCN3 Protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine Balb/c 3T3 cells is less than 1.0 ug/ml, corresponding to a specific activity of > 1000 IU/mg.
Endotoxin Note	Less than 0.1 EU/ug of NOV/CCN3 as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

**Publications**

Babey ME, Krause WC, Herber CB et al. Brain-Derived CCN3 Is An Osteoanabolic Hormone That Sustains Bone in Lactating Females bioRxiv : the preprint server for biology 2023-08-29 [PMID: 37693376] (CellDiff)





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### **Products Related to NBP2-35084-5ug**

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NBP2-35100-5ug	Recombinant Mouse NOV/CCN3 Protein
NB100-148	Rad51 Antibody (14B4)
AF1640	NOV/CCN3 Antibody [Unconjugated]
AF3398	Catalase Antibody [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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