

Datasheet for ABIN935685 **NOV Protein (full length)**



[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	NOV
Protein Characteristics:	full length
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	<p>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</p>
Characteristics:	<p>Purified recombinant Human NOV protein</p> <p>Expression System: E.coli</p> <p>Bioactivity: Determined by a cell proliferation assay using BALB/c 3T3 cells. The expected ED50 for this effect is 1.0-2.0 µg/mL</p>
Purity:	> 95 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	NOV
Alternative Name:	NOV (NOV Products)
Background:	<p>NOV is a member of the CCN family of secreted cysteine rich regulatory proteins. The full length NOV protein contains four structural domains that confer distinct, and sometimes opposing, biological activities. Elevated expression of NOV is associated with certain tumors, including Wilm's tumor and most neuroblastomas. However, in other tumor types and certain cancer cell lines, increased tumorigenicity and proliferation is correlated with decreased NOV expression. Additionally, NOV induces cell adhesion and cell migration by signaling through specific cell surface integrins and by binding to heparin sulfate proteoglycans and to fibulin 1C. NOV has also been reported to exert proangiogenic activities.</p> <p>Alternative Names: Neuroblastoma Overexpressed gene protein, CCN3 protein, NovH protein, IGFBP9 protein</p>
Molecular Weight:	36.2 kDa
Pathways:	Smooth Muscle Cell Migration , Growth Factor Binding

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Supplied as a lyophilized powder.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.