

Datasheet for ABIN7320620

NOV Protein (His tag)**1** Image[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	NOV
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOV protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse NOV/CCN3 Protein (His Tag)
Sequence:	Ser26-Ile354
Characteristics:	Recombinant Mouse Nephroblastoma Overexpressed Gene is produced by our Mammalian expression system and the target gene encoding Ser26-Ile354 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	NOV
Alternative Name:	NOV/CCN3 (NOV Products)
Background:	Background: NOV, also called CCN3, is a secreted protein of CCN family members. CCN family members are highly conserved cysteine rich proteins sharing a common modular structure

Target Details

having 4 conserved domains, insulin-like growth factor-binding protein (IGFBP) domain, von Willebrand type C (VWC) domain, thrombospondin-1 (TSP-1) domain, and C-terminal (CT) domain (absent in CCN5). By specific interactions with these domains, CCN proteins modulate multiple signalling pathways including BMPs, Wnt, TGFs, Notch and integrins to regulate cell proliferation, differentiation, adhesion, migration, angiogenesis, and survival. CCN3 is firstly characterized as a promoter of progenitor activity of human hematopoietic stem cells, as knockdown of CCN3 can abrogate the function of primitive progenitors. Recent studies showed that CCN3 is also actively involved in the process of wound healing. CCN3 is highly expressed in granulation tissues of cutaneous wounds and capable of inducing synthetic responses of fibroblasts.

Synonym: Protein NOV homolog, NovH, CCN family member 3, Nephroblastoma-overexpressed gene protein homolog, Nov

Molecular Weight:	39.1 kDa
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UniProt:	Q64299
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Pathways:	Smooth Muscle Cell Migration , Growth Factor Binding
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Application Details

Restrictions:	For Research Use only
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Handling

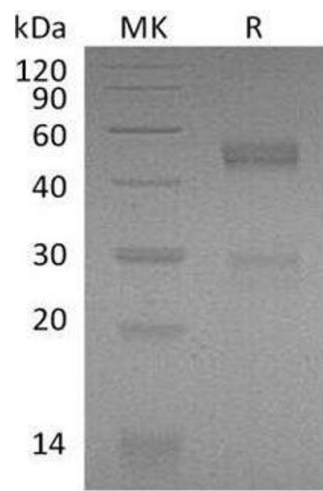
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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Western Blotting

Image 1.