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Recombinant Mouse IGFBP-9 Protein

Catalog No.: RP00708 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	18133	Q64299

Tags
C-6×His

Synonyms
Protein NOV homolog; NovH; CCN family member 3; Nephroblastoma-overexpressed geneprotein homolog; Nov

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

NOV, also called CCN3, is a secreted protein of CCN family members. CCN family members are highlyconserved cysteine rich proteins sharing a common modular structure having 4 conserved domains, insulin-likegrowth 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, CCNproteins modulate multiple signalling pathways including BMPs, Wnt, TGFs, Notch and integrins to regulate cellproliferation, differentiation, adhesion, migration, angiogenesis, and survival. CCN3 is firstly characterized as apromoter of progenitor activity of human hematopoietic stem cells, as knockdown of CCN3 can abrogate thefunction of primitive progenitors. Recent studies showed that CCN3 is also actively involved in the process ofwound healing. CCN3 is highly expressed in granulation tissues of cutaneous wounds and capable of inducingsynthetic responses of fibroblasts.

Basic Information

Description
Recombinant Mouse IGFBP-9 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Ser26-Ile354) of mouse IGFBP-9 (Accession #Q64299) fused with a 6×His tag at the C-terminus.

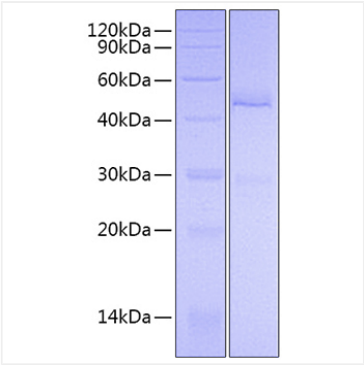
Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact

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Validation Data



Recombinant Mouse IGFBP-9 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.