Human CCN3 / NOV (IGFBP9) (His Tag) recombinant protein

Catalog Number: 500064

General Information

Protein Construction

A DNA sequence encoding the full length of human NOV (NP_002505.1) (Met 1-Met 357) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of Balb/3T3 mouse embryonic fibroblast cells. When cells are added to CCN3 coated plates (10 μg/ml, 100 μl/well), >50% cells will adhere specifically after 60 minutes at 37 ℃.

Purity

> 94 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Thr 32

Molecular Mass

The secreted recombinant human NOV consists of 337 amino acids and predicts a molecular mass of 37 kDa. It migrates as an approximately 47 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, 0.5mM PMSF, 10mM Imidazole, 10% Glycerol, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

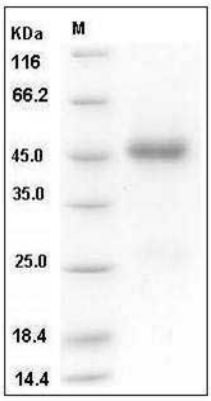
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human CCN3 / NOV Protein (His Tag) SDS-PAGE