# 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  $\mu$ g/ml, 100  $\mu$ l/well), >50% cells will adhere specifically after 60 minutes at 37 °C.

### **Purity**

> 94 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

#### **Stability**

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

#### 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**

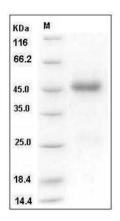
## **Storage**

Store it under sterile conditions at -20°C to -80°C. 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