

# Human Contactin 1/CNTN1 (His Tag) recombinant protein



Catalog Number: 502719

## General Information

### Protein Construction

A DNA sequence encoding the amino acid residues (Met 1-993) of human CNTN1 (NP\_001834.2) was expressed with the fused C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by the ability of the immobilized protein to support the adhesion of C6 rat glial cells. When cells are added to CNTN1 coated plates (2 µg/ml, 100 µl/well), 35%-45% will adhere specifically after 60 minutes at 37°C.

### Purity

> 95 % 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°C

### Predicted N terminal

Glu 21

### Molecular Mass

The secreted recombinant human CNTN1 comprises 984 amino acids after removal of the signal peptide and has a predicted molecular mass of 110 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCNTN1 is approximately 125 kDa due to glycosylation.

### Formulation

Lyophilized from sterile PBS, 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

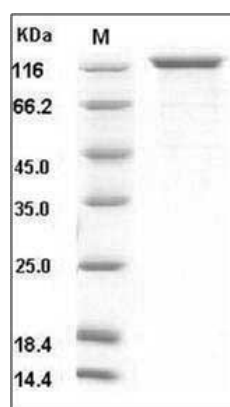
### Storage

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



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SDS-PAGE