

# Human Contactin 2/CNTN2 (His Tag) recombinant protein



Catalog Number: 502893

## General Information

### Protein Construction

A DNA sequence encoding the human CNTN2 (NP\_005067.1) precursor (Met 1-Asn 1012) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by the ability of the immobilized protein to support the adhesion of C6 Rat brain glial cells. When  $5 \times 10^4$  cells/well are added to CNTN2 coated plates (0.8  $\mu\text{g}/\text{ml}$  and 100  $\mu\text{l}/\text{well}$ ), approximately 40%-60% will adhere specifically after 60 minutes at 37°C.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  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

Ser 31

### Molecular Mass

The secreted recombinant human CNTN2 is a monomeric protein after cleavage of the signal peptide. It consists of 993 amino acids and predicts a molecular mass of 109 kDa. In SDS-PAGE under reducing conditions, it migrates with the apparent molecular mass of 140 kDa due to glycosylation.

### Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

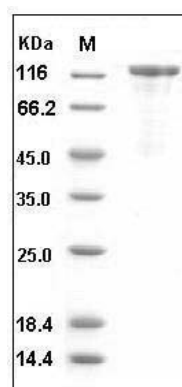
### Storage

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