

# Human Contactin 3/CNTN3 (708 Asp/Asn, Fc Tag) recombinant protein



Catalog Number: 503604

## General Information

### Gene Name Synonym

Brain-derived immunoglobulin superfamily protein 1; Plasmacytoma-associated neuronal glycoprotein

### Protein Construction

A DNA sequence encoding the human CNTN3 precursor (NP\_065923.1) (Met 1-Ser 1002, 708 Asp/Asn) was expressed with the fused Fc region of human IgG1 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 CNTN3 coated plates (0.8  $\mu\text{g/ml}$  and 100  $\mu\text{l/well}$ ), approximately 30%-50% will adhere specifically after 60 minutes at 37°C.

### Purity

> 90 % 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

Glu 20

### Molecular Mass

The recombinant human CNTN3/Fc chimera consists of 1221 amino acids and has a calculated molecular mass of 134.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCNTN3/Fc chimera is approximately 160-170 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

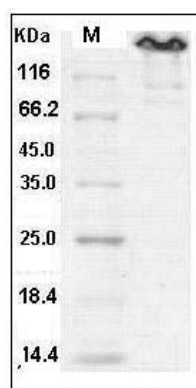
### Storage

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



Human Contactin 3 / CNTN3 Protein (708

# Human Contactin 3/CNTN3 (708 Asp/Asn, Fc Tag) recombinant protein



Catalog Number: 503604

---

Asp/Asn, Fc Tag) SDS-PAGE