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 x 10E4 cells/well are added to CNTN3 coated plates (0.8 μ g/ml and 100 μ 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 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 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

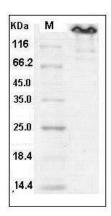
Storage

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



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Asp/Asn, Fc Tag) SDS-PAGE