

Human Contactin 5/CNTN5 (His Tag) recombinant protein



Catalog Number: 500897

General Information

Gene Name Synonym

Neural recognition molecule NB-2

Protein Construction

A DNA sequence encoding the mature form of human CNTN5 (NP_055176.1) (Met 1-Gln 1059) with a C-terminal polyhistidine tag was expressed.

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 5×10^4 cells/well are added to CNTN5 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

> 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 19

Molecular Mass

The secreted recombinant human CNTN5 comprises 1052 amino acids with a predicted molecular mass of 116 kDa. As a result of glycosylation, rhCNTN5 migrates as an approximately 130-140 kDa band in SDS-PAGE under reducing conditions.

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

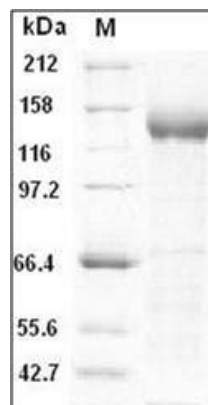
Storage

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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