Human CHL1/LICAM2/CALL (His Tag) recombinant protein

Catalog Number: 502820

General Information

Gene Name Synonym

Close homolog of L1; Processed neural cell adhesion molecule L1-like protein

Protein Construction

A DNA sequence encoding the extracellular domain of human CHL1 (AAI04919.1) (Met 1-Gln 1080) was fused 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 x 10E4 cells/well are added to CHL1 coated plates (0.8 μg/ml and 100 μl/well), approximately 40%-60% will adhere specifically after 60 minutes at 37℃.

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℃

Predicted N terminal

Ile 25

Molecular Mass

The recombinant human CHL1 consists of 1067 amino acids after removal of the signal peptide and predicts a molecular mass of 120 kDa. As a result of glycosylation, the apparent molecular mass of rhCHL1 is approximately 160-180 kDa in SDS-PAGE under non-reduced 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

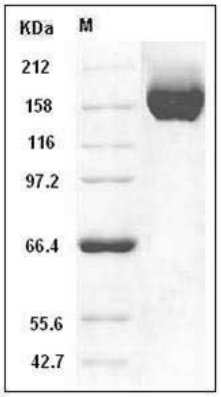
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 CHL-1 Protein (His Tag) SDS-PAGE