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 Cterminus.

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 μ g/ml and 100 μ l/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 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 $^{\circ}\mathrm{C}$

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 7.41. 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

KDa	M	
212		1
158	-	
116	-	
97.2	-	-
66.4	-	•
55.6	-	
42.7		

Human CHL-1 Protein (His Tag) SDS-PAGE

