Human CADM3/NECL1/IGSF4B (His Tag) recombinant protein



Catalog Number: 502049

General Information

Gene Name Synonym

Brain immunoglobulin receptor; Immunoglobulin superfamily member 4B; Nectin-like protein 1; Synaptic cell adhesion molecule 3; TSLC1-like protein 1

Protein Construction

A DNA sequence encoding the human CADM3 isoform 2 (short isoform) (NP_001120645.1) extracellular domain (Met 1-His 330) was expressed, 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. Human CADM3 immobilized at 0.8 μ g/ml, 100 μ l/well will mediate >30% C6 cell adhesion.

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

Asn 25

Molecular Mass

The recombinant human CADM3 consists of 317 amino acids and predictes a molecular mass of 35.1 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh CADM3 is approximately 39-41 kDa due to glycosylation.

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

r			2.
KDa	М		
116	-	-	
66.2	-	-	
45.0	-		_
35.0	-	-	-
25.0	-		
18.4	_		
14.4	-		

Human CADM3 / NECL1 / IGSF4B Protein (His Tag) SDS-PAGE