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Cadherin 8 Protein (CDH8) (AA 30-621) (His tag)



Overview

Quantity:	50 μg
Target:	Cadherin 8 (CDH8)
Protein Characteristics:	AA 30-621
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cadherin 8 protein is labelled with His tag.

Product Details

Troduct Details	
Purpose:	Recombinant Human Cadherin-8/CDH8 (C-6His)
Sequence:	APMNQSQVLM SGSPLELNSL GEEQRILNRS KRGWVWNQMF VLEEFSGPEP ILVGRLHTDL
	DPGSKKIKYI LSGDGAGTIF QINDVTGDIH AIKRLDREEK AEYTLTAQAV DWETSKPLEP
	PSEFIIKVQD INDNAPEFLN GPYHATVPEM SILGTSVTNV TATDADDPVY GNSAKLVYSI
	LEGQPYFSIE PETAIIKTAL PNMDREAKEE YLVVIQAKDM GGHSGGLSGT TTLTVTLTDV
	NDNPPKFAQS LYHFSVPEDV VLGTAIGRVK ANDQDIGENA QSSYDIIDGD GTALFEITSD
	AQAQDGIIRL RKPLDFETKK SYTLKVEAAN VHIDPRFSGR GPFKDTATVK IVVEDADEPP
	VFSSPTYLLE VHENAALNSV IGQVTARDPD ITSSPIRFSI DRHTDLERQF NINADDGKIT
	LATPLDRELS VWHNITIIAT EIRNHSQISR VPVAIKVLDV NDNAPEFASE YEAFLCENGK
	PGQVIQTVSA MDKDDPKNGH YFLYSLLPEM VNNPNFTIKK NEDNSLSILA KHNGFNRQKQ
	EVYLLPIIIS DSGNPPLSST STLTIRVCGC SNDGVVQSCN VEAYVLPIGL SMVDHHHHHH
Characteristics:	Recombinant Human Cadherin-8/CDH8 is produced by our mammalian expression system in
	human cells. The target protein is expressed with sequence (Ala30-Met621) of Human CDH8

Product Details

Product Details	
	fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 μm filtered
Endotoxin Level:	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test
Target Details	
Target:	Cadherin 8 (CDH8)
Alternative Name:	Cadherin-8 (CDH8 Products)
Sub Type:	Fusionprotein
Background:	Cadherin-8 (CDH8) is a type II classical cadherin from the cadherin superfamily. Member of the Cadherin superfamily are integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small highly conserved C-terminal cytoplasmic domain. Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells. The extracellular domain of CDH8 contains five cadherin domains. CDH8 is expressed in brain and is putatively involved in synaptic adhesion, axon outgrowth and guidance. Alternative Names: Cadherin-8, CDH8
Molecular Weight:	66.07 kDa
UniProt:	P55286
Pathways:	Cell-Cell Junction Organization
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH20. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.

Handling

Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months