

Datasheet for ABIN7194515

Cadherin 8 Protein (CDH8) (His tag)**1** Image[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	Cadherin 8 (CDH8)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cadherin 8 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat Cadherin-8/CDH8 Protein (His Tag)
Sequence:	Met1-Met621
Characteristics:	A DNA sequence encoding the rat CDH8 (NP_445845.2) (Met1-Met621) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 85 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

Target Details

Target:	Cadherin 8 (CDH8)
Alternative Name:	Cadherin-8/CDH8 (CDH8 Products)
Background:	Background: Cadherins are integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Type I cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal

Target Details

cytoplasmic domain. The extracellular domain consists of five subdomains, each containing a cadherin motif, and appears to determine the specificity of the protein's homophilic cell adhesion activity. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Cadherin 8, also known as CDH 8, is a type I classical cadherin belonging to the cadherin superfamily. As mainly expressed in brain, CDH8 is found in certain nerve cell lines, such as retinoblasts, glioma cells and neuroblasts, and is putatively involved in synaptic adhesion, axon outgrowth and guidance. Human Cadherin 8 is a 799 amino acid single-pass type I transmembrane protein with a putative 29 aa signal sequence, and a 32 aa propeptide, a 560 aa mature extracellular domain, a 21 aa transmembrane domain and a 157 aa cytoplasmic domain. The human, mouse and rat proteins share approximately 98% homology.

Synonym: CDH8

Molecular Weight: 66.5 kDa

NCBI Accession: [NP_445845](#)

Pathways: [Cell-Cell Junction Organization](#)

Application Details

Restrictions: For Research Use only

Handling

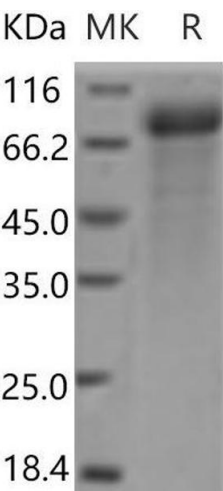
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.