

Recombinant Full Length Human CDH8 Protein, GST-tagged

Cat. No. CDH8-3152HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDH8 full-length ORF (NP_001787.2, 1 a.a. - 799 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	799 amino acids
Description	This gene encodes a type II classical cadherin from the cadherin superfamily, integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature 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. The extracellular domain consists of 5 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. This particular cadherin is expressed in brain and is putatively involved in synaptic adhesion, axon outgrowth and guidance. [provided by RefSeq, Jul 2008]
Molecular Mass	114.7 kDa
AA Sequence	MPERLAEMLLDLWTPILILWITLPPCIYMAPMNQSQVLMMSGSPLELNSLGEEQRILNRSKRGWVWNQMFVLEEFSGPEPILVGRLLHTLDLPGSKKIKYILSGDGAGTIFQINDVTGDIHAIKRLDREEKAEYTLTAQAVDWETSKPLEPPSEFIIKVQDINDNAPEFLNGPYH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ATPPEMSILGTSVTNVTATDADDPVYGNSAKLVYSILEGQPYFSIEPETAIKLTALPNM
 DREAKEYLVVIQAKDMGGHSGGLSGTTTTLTVTLTDVNDNPPKFAQSLYHFSVPED
 VVLGTAIGRVKANDQDIGENAQSSYDIIDGDGTALFEITSDAQAQDGIIRLRKPLDFET
 KKSYYTLKVEAANVHIDPRFSGRGPFKDTATVKIVVEDADEPPVFSSPTYLLEVHENAA
 LNSVIGQVTARDPDITSSPIRFSIDRHTDLERQFNINADDGKITLATPLDRELSVWHNIT
 IIATEIRNHSQISRVPVAIKVLDVNDNAPEFASEYEAFLENGKPGQVIQTVSAMDKDD
 PKNGHYFLYLLPEMVNNPNFTIKKNEDNSLSILAKHNGFNQRKQEVYLLPIIISDSGN
 PPLSSTSTLTIRVCGCSNDGVVQSCNVEAYVLPGLSMGALAILACIILLLVVLFVTL
 RRHKNEPLIIKDDDEDVRENIIRYDDEGGGEEDTEAFDIATLQNPDGINGFLPRKDIKPD
 LQFMPRQGLAPVPNGVDVDEFINVRLHEADNDPTAPPYDSIQIYGYEGRGVSAGSL
 SSLESTTSDSDQNFDYLSDWGPRFKRLGELYSVGESDKET

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CDH8 cadherin 8, type 2 [Homo sapiens]

Official Symbol

CDH8

Synonyms

CDH8; cadherin 8, type 2; cadherin-8; Nbla04261;

Gene ID

1006

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mRNA Refseq	NM_001796
Protein Refseq	NP_001787
MIM	603008
UniProt ID	P55286

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