

Product datasheet for PH317249

Cadherin 8 (CDH8) (NM_001796) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | CDH8 MS Standard C13 and N15-labeled recombinant protein (NP_001787) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC217249 |
| Predicted MW: | 88.25 kDa |
| Protein Sequence: | >RC217249 representing NM_001796 Red=Cloning site Green=Tags(s) |

MPERLAEMLLDLWTPLIILWITLPPCIYMAPMNQSQVLSMSGSPLELNSLGEEQRILNRSKRGWVWNQMFV
LEEFSGPEPILVGR LH TDLPDGSKKIKYILSGDGAGTIFQINDVTGDIHAIKRLDREEKAEYTLTAQAVD
WETSKLEPPSEFIIKVQDINDNAPEFLNGPYHATVPMSILGTSVTNVTATDADDPVYGN SAKLVYSIL
EGQPYFSIEPETAIIKTALPNMDREAKEEYL VVIQAKDMGGHSGGLSGTTTLTVLTDVNDNPPKFAQSL
YHFSVPEDVVLGTAIGRVKANDQDIGENAQSSYDIIDGDGTALFEITSDAQAQDGIIRLRKPLDFETKKS
YTLKVEAANVHIDPRFSGRGPFKDTATVKIVVEDADEPPVFSPTYLLEVHENAALNSVIGQVTARDPDI
TSSPIRFSIDRHTDLERQFNINADDGKITLATPLDRELSVWHNITIIATEIRNHSQISRPVVAIKVLDVN
DNAPEFASEYEAFLENGKPGQVIQTVSAMDKDDPKNGHYFLYSLLPEMVNPNFTIKKNEDNSLSILAK
HNGFNRRQKQEVYLLPIIISDSGNPPLSSTSTLIRVCGCSNDGVVQSCNVEAYVLP IGLSMGALIAILAC
IILLLVIVVLFVTLRRHKNEPLIIKDDDEDVRENIIRYDDEGGGEEDTEAFDIATLQNP DGINGFLPRKDI
KPDQLQFMPRQGLAPVPNGVDVDEFINVRLHEADNDPTAPPYDSIQIYGYEGRGSVAGLSLSESTSDSD
QNF DYLSDWGPRFKRLGELYSVGESDKET

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | NP_001787 |



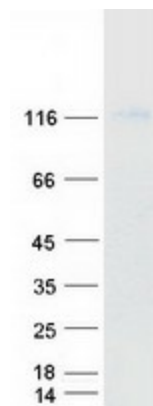
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| | |
|---------------|------------------------|
| RefSeq Size: | 2929 |
| RefSeq ORF: | 2397 |
| Synonyms: | Nbla04261 |
| Locus ID: | 1006 |
| UniProt ID: | P55286 |
| Cytogenetics: | 16q21 |

Summary: 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]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified CDH8 protein (Cat# [TP317249]). The protein was produced from HEK293T cells transfected with CDH8 cDNA clone (Cat# [RC217249]) using MegaTran 2.0 (Cat# [TT210002]).