

Recombinant Human CDH8 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CDH8-4940H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CDH8 MS Standard C13 and N15-labeled recombinant protein (NP_001787) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	88.25 kDa
AA Sequence	MPERLAEMLLDLWTPLIILWITLPPCIYMAPMNQSQVLMMSGSPLELNSLGEEQRILNR SKRGWVWNQMFVLEEFSGPEPILVGRLLHTDLDPGSKKIKYILSGDGAGTIFQINDVT GDIHAIKRLDREEKAEYTLTAQAVDWETSKPLEPPSEFIKVDINDNAPEFLNGPYH

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ATVPEMSILGTSVTNVTATDADDPVYGNSAKLVYSILEGQPYFSIEPETAIKLTALPNM
DREAKEYLVVIQAKDMGGHSGGLSGTTTTLTVTLTDVNDNPPKFAQSLYHFSVPED
VVLGTAIGRVKANDQDIGENAQSSYDIIDGDGTALFEITSDAQADGIIRLRKPLDFET
KKSYYTLKVEAANVHIDPRFSGRGPFKDTATVKIVVEDADEPPVFSSPTYLLEVHENAA
LNSVIGQVTARDPDITSSPIRFSIDRHTDLERQFNINADDGKITLATPLDRELSVWHNIT
IIATEIRNHSQISRVPAIKVLDVNDNAPEFASEYEAFLENGKPGQVIQTVSAMDKDD
PKNGHYFLYSLPEMVNNPNFTIKKNEDNSLSILAKHNGFNRQKQEVYLLPIIISDSGN
PPLSSTSTLTIRVCGCSNDGVVQSCNVEAYVLPIGLSMGALAILACIILLLVIVVLFVTL
RRHKNEPLIKDDEDVRENIIRYDDEGGGEEDTEAFDIATLQNPDGINGFLPRKDIKPD
LQFMPRQGLAPVPNGVDVDEFINVRLHEADNDPTAPPYDSIQIYGYEGRGSVAGSL
SSLESTTSDDQNFYLSDWGPRFKRLGELYSVGESDKETTRTRPLEQKLISEEDLA
ANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CDH8 cadherin 8 [Homo sapiens (human)]
Official Symbol	CDH8
Synonyms	CDH8; cadherin 8, type 2; cadherin-8; Nbla04261;

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Gene ID	1006
mRNA Refseq	NM_001796
Protein Refseq	NP_001787
MIM	603008
UniProt ID	P55286
SDS-PAGE	