

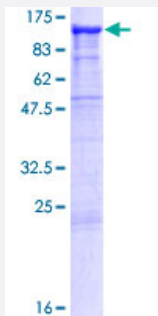
Full-Length

## CDH8 (Human) Recombinant Protein (P01)

Catalog # H00001006-P01

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human CDH8 full-length ORF ( NP\_001787.2, 1 a.a. - 799 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MPERLAEMLLDLWTPILILWITLPPCIYMAPMNQSQVLMMSGSPLELNSLGEEQRILNRSKRGWVWN  
QMFVLEEFSGPEPILVGR LH TDLP GSKKIKYLSGDGAGTIFQINDVTGDIHAIKRLDREEKAEYTLT  
AQAVDWETSKPLEPPSEFIIKVQDINDNAPEFLNGPYHATVPEMSILGTSVTNVTATDADDPVYGN  
SAKLVSILEGQPYFSIEPETAIKKTALPNMDREAKEEYL VVIQAKDMGGHSGGLSGTTTLTVTLTDV  
NDNPPKFAQSLYHFSVPEDVVLGTAIGRVKANDQDIGENAQSSYDIIDGDGTALFEITSDAQAQDGI  
IRLRKPLDFETKKS YTLKVEAANVHIDPRFSGRGPFKDTATVKIVVEDADEPPVFSSPTYLLEVHEN  
AALNSVIGQVTARDPDITSSPIRFSIDRHTDLERQFNINADDGKITLATPLDRELSVWHNITIIATEIRNH  
SQISRVPVAIKVLDVNDNAPEFASEYEAFLCENGKPGQVIQTVSAMDKDDPKNGHYFLYSLLPEM  
VNNPNFTIKKNEDNSLSILAKHNGFNQRQKQEVYLLPIIISDSGNPPLSSTSTLTIRVCGCSNDGVVQS  
CNVEAYVLPIGLSMGALAILACIILLVIVLVFVTLRRHKNEPLIKDDEDVRENIIRYDDEGGGEEDTE  
AFDIATLQNP DGIN GFLPRKDIKPD LQFM PRQGLAPV PNGVDVDEFIN VRLHEADNDPTAPPYDSI  
QIYGYEGRGSVAGSLSSLESTTS DSDQNFDYLS DWGPRFKRLGELYSVGESDKET

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

114.7

#### Interspecies Antigen Sequence

Mouse (97); Rat (97)

#### Preparation Method

[in vitro wheat germ expression system](#)

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Purification            | Glutathione Sepharose 4 Fast Flow                                        |
| Quality Control Testing | 12.5% SDS-PAGE Stained with Coomassie Blue.                              |
| Storage Buffer          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Storage Instruction     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.          |
| Note                    | Best use within three months from the date of receipt of this protein.   |

## Applications

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

## Gene Info — CDH8

|                     |                             |
|---------------------|-----------------------------|
| Entrez GeneID       | <a href="#">1006</a>        |
| GeneBank Accession# | <a href="#">NM_001796.2</a> |
| Protein Accession#  | <a href="#">NP_001787.2</a> |
| Gene Name           | CDH8                        |
| Gene Alias          | Nbla04261                   |
| Gene Description    | cadherin 8, type 2          |
| Omim ID             | <a href="#">603008</a>      |
| Gene Ontology       | <a href="#">Hyperlink</a>   |

**Gene 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 HA V 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]

**Other Designations**

cadherin-8|putative protein product of Nbla04261

**Disease**

- [Tobacco Use Disorder](#)