CDH2 (Human) Recombinant Protein

Catalog # P9366 Size 2 x 10 ug

Specification

Product Description	Human CDH2 partial recombinant protein with His tag in C-terminus expressed in Baculovirus cells.
Sequence	ADPDWVIPPINLPENSRGPFPQELVRIRSDRDKNLSLRYSVTGPGADQPPTGIFIINPISGQLSVTKP LDREQIARFHLRAHAVDINGNQVENPIDIVINVIDMNDNRPEFLHQVWNGTVPEGSKPGTYVMTVTA IDADDPNALNGMLRYRIVSQAPSTPSPNMFTINNETGDIITVAAGLDREKVQQYTLIIQATDMEGNPT YGLSNTATAVITVTDVNDNPPEFTAMTFYGEVPENRVDIIVANLTVTDKDQPHTPAWNAVYRISGGD PTGRFAIQTDPNSNDGLVTVVKPIDFETNRMFVLTVAAENQVPLAKGIQHPPQSTATVSVTVIDVN ENPYFAPNPKIIRQEEGLHAGTMLTTFTAQDPDRYMQQNIRYTKLSDPANWLKIDPVNGQITTIAVLD RESPNVKNNIYNATFLASDNGIPPMSGTGTLQIYLLDINDNAPQVLPQEAETCETPDPNSINITALDY DIDPNAGPFAFDLPLSPVTIKRNWTITRLNGDFAQLNLKIKFLEAGIYEVPIIITDSGNPPKSNISILRVK VCQCDSNGDCTDVDRIVGAGLGTGAHHHHHH
Host	Viruses
Theoretical MW (kDa)	62.9
Form	Liquid
Preparation Method	Baculovirus expression system
Purification	chromatographic
Purity	> 90% as determined by SDS-PAGE.
Storage Buffer	Solution (0.5 mg/mL) containing 1X PBS, pH 7.4, 20% glycerol.
Storage Instruction	Store at 4°C for one weeks and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- SDS-PAGE

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Gene Info — CDH2

Entrez GeneID	1000
Protein Accession#	P19022
Gene Name	CDH2
Gene Alias	CD325, CDHN, CDw325, NCAD
Gene Description	cadherin 2, type 1, N-cadherin (neuronal)
Omim ID	114020
Gene Ontology	Hyperlink
Gene Summary	This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a trans membrane region and a highly conserved cytoplasmic tail. The protein functions during gastrulatio n and is required for establishment of left-right asymmetry. At certain central nervous system syna pses, presynaptic to postsynaptic adhesion is mediated at least in part by this gene product. [prov ided by RefSeq
Other Designations	N-cadherin 1|cadherin 2, N-cadherin (neuronal)|cadherin 2, type 1|calcium-dependent adhesion pr otein, neuronal|neural cadherin

Pathway

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Cell adhesion molecules (CAMs)

Disease

- Cleft Lip
- Cleft Palate
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Laryngeal Neoplasms

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- Mouth Neoplasms
- Pharyngeal Neoplasms
- Tobacco Use Disorder
- Tooth Abnormalities

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