Cadherin-9 (CDH9) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cadherin-9 (CDH9), Recombinant Protein
Full Product Name	Recombinant Human Cadherin-9 (CDH9), partial
Product Gene Name	CDH9 recombinant protein
Product Synonym Gene Name	CDH9
Sequence	GWMWNQF FLLEEYTGTD TQYVGKLHTD QDKGDGNLKY ILTGDGAGSL FVIDENTGDI HAAKKLDREE KSLYILRAKA IDRKTGRQVE PESEFIIKIH DINDNEPKFT KDLYTASVPE MSGVGTSVIQ VTATDADDAN YGNSAKVVYS ILQGQPYFSV DPESGIIKTA LPDMSRENRE QYQVVIQAKD MGGQMGGLSG TTTVNITLTD VNNNPPRFPQ STYQFNSPES VPLGTHLGRI KANDPDVGEN AEMEYSIAEG DGADMFDVIT DKDTQEGIIT VKQNLDFENQ MLYTLRVDAS NTHPDPRFLH LGPFKDTAVV KISVEDIDEP PVFTKVSYLI EVDEDVKEGS IIGQVTAYDP DARNNLIKYS VDRHTDMDRI FGIHSENGSI FTLKALDRES SPWHNITVTA TEINNPKQSS HIPVFIRILD INDHAPEFAM YYETFVCENA KPGQLIQTVS VMDKDDPPRG HKFFFEPVPE FTLNPNFTIV DNKDNTAGIM TRKDGYSRNK MSTYLLPILI FDNDYPIQSS TGTLTIRVCA CDNQGNMQSC TAEALILSAG LSTGA
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	88,689 Da
Sequence Positions	54-615
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	609974
3D Structure	ModBase 3D Structure for Q9ULB4
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CDH9 recombinant protein	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.
Other Notes	Small volumes of CDH9 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CDH9 purchase	MBS1339827 is a recombinant protein targeting CDH9. Also known as Recombinant Human Cadherin-9 (CDH9), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDH9. It may not necessarily be applicable to this product.

NCBI GI #	90193626
NCBI GeneID	1007
NCBI Accession #	NP_057363.3
UniProt Primary Accession #	Q9ULB4
UniProt Secondary Accession #	Q3B7I5
UniProt Related Accession #	Q9ULB4
GenBank Nucleotide #	NM_016279.3
NCBI Official Full Name	cadherin-9 preproprotein
NCBI Official Synonym Full Names	cadherin 9
NCBI Official Symbol	CDH9
UniProt Protein Name	Cadherin-9
Protein Family	Cadherin
UniProt Gene Name	CDH9
NCBI Protein Information	cadherin-9
NCBI Summary for CDH9	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. [provided by RefSeq, Jul 2008]
UniProt Comments for CDH9	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.
Research Articles on CDH9	**1.** The CC genotype of rs4307059 located in the region between CDH9 and CDH10 is associated with completed suicide in a Polish cohort
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