Protocadherin-10 (PCDH10) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protocadherin-10 (PCDH10), Recombinant Protein
Full Product Name	Recombinant Human Protocadherin-10 (PCDH10), partial
Product Gene Name	PCDH10 recombinant protein
Product Synonym Gene Name	PCDH10
Sequence	QL HYTVQEEQEH GTFVGNIAED LGLDITKLSA RGFQTVPNSR TPYLDLNLET GVLYVNEKID REQICKQSPS CVLHLEVFLE NPLELFQVEI EVLDINDNPP SFPEPDLTVE ISESATPGTR FPLESAFDPD VGTNSLRDYE ITPNSYFSLD VQTQGDGNRF AELVLEKPLD REQQAVHRYV LTAVDGGGGG GVGEGGGGGG GAGLPPQQQR TGTALLTIRV LDSNDNVPAF DQPVYTVSLP ENSPPGTLVI QLNATDPDEG QNGEVVYSFS SHISPRAREL FGLSPRTGRL EVSGELDYEE SPVYQVYVQA KDLGPNAVPA HCKVLVRVLD ANDNAPEISF STVKEAVSEG AAPGTVVALF SVTDRDSEEN GQVQCELLGD VPFRLKSSFK NYYTIVTEAP LDREAGDSYT LTVVARDRGE PALSTSKSIQ VQVSDVNDNA PRFSQPVYDV YVTENNVPGA YIYAVSATDR DEGANAQLAY SILECQIQGM SVFTYVSINS ENGYLYALRS FDYEQLKDFS FQVEARDAGS PQALAGNATV NILIVDQNDN APAIVAPLPG RNGTPAREVL PRSAEPGYLL TRVAAVDADD GENARLTYSI VRGNEMNLFR MDWRTGELRT ARRVPAKRDP QRPYELVIEV RDHGQPPLSS TATLVVQLVD GAVEPQGGGG SGGGGSGEHQ RPSRSGGGET SLDLT
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	97,002 Da
Sequence Positions	19-715
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	608286
3D Structure	ModBase 3D Structure for Q9P2E7
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PCDH10 recombinant protein	This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The mRNA encodes a cadherin-related neuronal receptor thought to play a role in the establishment and function of specific cell-cell connections in the brain. This family member contains 6 extracellular cadherin domains, a transmembrane domain and a cytoplasmic tail differing from those of the classical cadherins. Alternatively spliced transcripts encode isoforms with unique cytoplasmic domains.
Other Notes	Small volumes of PCDH10 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 PCDH10 purchase	MBS1351433 is a recombinant protein targeting PCDH10. Also known as Recombinant Human Protocadherin-10 (PCDH10), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PCDH10. It may not necessarily be applicable to this product.

NCBI GI #	14589914
NCBI GeneID	57575
NCBI Accession #	NP_065866.1
UniProt Primary Accession #	Q9P2E7
UniProt Secondary Accession #	Q4W5F6; Q96SF0
UniProt Related Accession #	Q9P2E7
GenBank Nucleotide #	NM_020815.2
NCBI Official Full Name	protocadherin-10 isoform 2
NCBI Official Synonym Full Names	protocadherin 10
NCBI Official Symbol	PCDH10
NCBI Official Synonym Symbols	PCDH19; OL-PCDH
UniProt Protein Name	Protocadherin-10
Protein Family	Protocadherin
UniProt Gene Name	PCDH10
UniProt Synonym Gene Names	KIAA1400
NCBI Protein Information	protocadherin-10
NCBI Summary for PCDH10	This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. This family member contains 6 extracellular cadherin domains, a transmembrane domain and a cytoplasmic tail differing from those of the classical cadherins. The encoded protein is a cadherin-related neuronal receptor thought to function in the establishment of specific cell-cell connections in the brain. This gene plays a role in inhibiting cancer cell motility and cell migration. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2015]
UniProt Comments for PCDH10	Potential calcium-dependent cell-adhesion protein.
Research Articles on PCDH10	**1.** we found that the malignant character of GISTs was initiated and amplified by PCDH10 in a process regulated by HOTAIR. In summary, our findings imply that PCDH10 and HOTAIR may be useful markers of disease progression and therapeutic targets.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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