Protocadherin Beta-6 (PCDHB6) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protocadherin beta-6 (PCDHB6), Recombinant Protein
Full Product Name	Recombinant Human Protocadherin beta-6 (PCDHB6), partial
Product Gene Name	PCDHB6 recombinant protein
Product Synonym Gene Name	PCDHB6
Sequence	ESI QYSVLEETES GTFVANLTKD LGLRVGELAS RGARVVFKGN RQHLQFDPQT HDLLLNEKLD REELCGSTEP CVLPFQVLLE NPLQFFQASL RVRDINDHAP EFPAREMLLK ISEITMPGKI FPLKMAHDLD TGSNGLQRYT ISSNPHFHVL TRNRSEGRKF PELVLDKPLD REEQPQLRLT LIALDGGSPP RSGTSEIQIQ VLDINDNVPE FAQELYEAQV PENNPLGSLV ITVSARDLDA GSFGKVSYAL FQVDDVNQPF EINAITGEIR LRKALDFEEI QSYDVDVEAT DGGGLSGKCS LVVRVLDVND NAPELTMSFF ISLIPENLPE ITVAVFSVSD ADSGHNQQVI CSIENNLPFL LRPSVENFYT LVTEGALDRE SRAEYNITIT VTDLGTPRLK TQQSITVQVS DVNDNVPAFT QTSYTLFVRE NNSPALHIGS VSATDRDSGI NAQVTYSLLP PQDPHLPLSS LVSINADNGH LFALRSLDYE ALQSFEFRVG ATDRGSPALS SEALVRLLVL DANDNSPFVL YPLQNGSAPC TELVPRAAEP GYLVTKVVAV DGDSGQNAWL SYQLLKATEL GLFGVWAHNG EVRTARLLSE RDAAKHRLVV LVKDNGEPPR SATATLHVLL VDGFSQPYLP LPEAAPAQAQ ADSLTVYL
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	87,350 Da
Sequence Positions	28-688
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	604967
3D Structure	ModBase 3D Structure for Q9Y5E3
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PCDHB6 recombinant protein	This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3 exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment and function of specific cell-cell neural connections.

Other Notes	Small volumes of PCDHB6 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 PCDHB6 purchase	MBS1433111 is a recombinant protein targeting PCDHB6. Also known as Recombinant Human Protocadherin beta-6 (PCDHB6), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PCDHB6. It may not necessarily be applicable to this product.

NCBI GI #	734703986
NCBI GeneID	56130
NCBI Accession #	NP_001290074.1
UniProt Primary Accession #	Q9Y5E3
UniProt Secondary Accession #	B2R8R9
UniProt Related Accession #	Q9Y5E3
GenBank Nucleotide #	NM_001303145.1
NCBI Official Full Name	protocadherin beta-6 isoform 2
NCBI Official Synonym Full Names	protocadherin beta 6
NCBI Official Symbol	PCDHB6
NCBI Official Synonym Symbols	PCDH-BETA6
UniProt Protein Name	Protocadherin beta-6
Protein Family	Protocadherin
UniProt Gene Name	PCDHB6
UniProt Synonym Gene Names	PCDH-beta-6Curated
NCBI Protein Information	protocadherin beta-6
NCBI Summary for PCDHB6	This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. Unlike the alpha and gamma clusters, the transcripts from these genes do not share common 3' exons. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell neural connections. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]
UniProt Comments for PCDHB6	Calcium-dependent cell-adhesion protein involved in cells self-recognition and non-self discrimination. Thereby, it is involved in the establishment and maintenance of specific neuronal connections in the brain.
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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