PCDHB16 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	PCDHB16, Blocking Peptide
Full Product Name	PCDHB16 Peptide - middle region
Product Gene Name	PCDHB16 blocking peptide
Product Synonym Gene Name	KIAA1621; ME1; PCDH-BETA16; PCDH3X; PCDHB8a
Sequence	IPENSPLGSL VATVSARDLD GGANGKISYT LFQPSEDISK TLEVNPMTGE
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	PCDHB16 peptide (MBS3234488) is used for blocking the activity of PCDHB16 antibody (MBS3209530)
Molecular Weight	82kDa
OMIM	604967
Product Categories/Family for PCDHB16 blocking peptide	Peptide
Applications Tested/Suitable for PCDHB16 blocking peptide	Western Blot (WB)
Related Product Information for PCDHB16 blocking peptide	This is a synthetic peptide designed for use in combination with anti-PCDHB16 Antibody, made Target Description: 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 PCDHB16 blocking peptide 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 PCDHB16 purchase	MBS3234488 is a blocking peptide targeting PCDHB16. Also known as PCDHB16 Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PCDHB16. It may not necessarily be applicable to this product.

NCBI GI #	605052038
NCBI GeneID	57717
NCBI Accession #	NP_066008
UniProt Primary Accession #	Q9NRJ7

UniProt Related Accession #	Q9NRJ7
GenBank Nucleotide #	NM_020957
NCBI Official Full Name	protocadherin beta-16
NCBI Official Synonym Full Names	protocadherin beta 16
NCBI Official Symbol	PCDHB16
NCBI Official Synonym Symbols	ME1; PCDH3X; PCDHB8a; PCDH-BETA16
UniProt Protein Name	Protocadherin beta-16
UniProt Synonym Protein Names	Protocadherin-3X
Protein Family	Protocadherin
UniProt Gene Name	PCDHB16
UniProt Synonym Gene Names	KIAA1621; PCDH3X; PCDH-beta-16
UniProt Entry Name	PCDBG_HUMAN
NCBI Protein Information	protocadherin beta-16
NCBI Summary for PCDHB16	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. [provided by RefSeq, Jul 2008]
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