CDH9 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	CDH9, Blocking Peptide
Full Product Name	CDH9 Peptide - C-terminal region
Product Gene Name	CDH9 blocking peptide
Product Synonym Gene Name	CDH9
Sequence	Synthetic peptide located within the following region: FQIRRTVPLW ENIDVQDFIH RRLKENDADP SAPPYDSLAT YAYEGNDSIA
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	CDH9 peptide (MBS3245018) is used for blocking the activity of CDH9 antibody (MBS3220195)
Molecular Weight	86kDa
OMIM	609974
Product Categories/Family for CDH9 blocking peptide	Peptide
Related Product Information for CDH9 blocking peptide	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 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 CDH9 purchase	MBS3245018 is a blocking peptide targeting CDH9. Also known as CDH9 Peptide - C-terminal region. Reactive in Human.

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
UniProt Primary Accession #	Q9ULB4
UniProt Related Accession #	Q9ULB4
GenBank Nucleotide #	NM_016279.4
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
UniProt Entry Name	CADH9_HUMAN
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	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. Protein type: Membrane protein, integral; Cell adhesion Chromosomal Location of Human Ortholog: 5p14 Cellular Component: plasma membrane; integral to membrane Molecular Function: calcium ion binding Biological Process: intercellular junction assembly and maintenance; cell-cell adhesion; homophilic cell adhesion
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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