ZDHHC15 Blocking Peptide – >85% Purity

PRODUCT OVERVIEW

Product Name	ZDHHC15, Blocking Peptide
Full Product Name	ZDHHC15 Blocking Peptide
Product Gene Name	ZDHHC15 blocking peptide
Product Synonym Names	Palmitoyltransferase ZDHHC15; Zinc finger DHHC domain-containing protein 15; DHHC-15
Host	Synthetic
Species Reactivity	Human, Mouse, Rat
Form/Format	Lyophilized Powder
Purity/Purification	>85%
Preparation and Storage	Store at -20 degree C for one year.
Molecular Weight	39,331 Da
Chromosome Location	Chromosome: X; NC_000023.10 (74588262..74743337, complement). Location: Xq13.3
OMIM	300576
Quality Control	The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.
Directions for Use	Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4 degree C for overnight or at room temperature for 2 hours.
Applications Tested/Suitable for ZDHHC15 blocking peptide	Blocking (BL)
Related Product Information for ZDHHC15 blocking peptide	MBS8308911 is a blocking peptide targeting ZDHHC15. Reactive in Human, Mouse, Rat. Host: Synthetic. The peptide is used to block Anti-ZDHHC15 Antibody reactivity.
Other Notes	Small volumes of ZDHHC15 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZDHHC15. It may not necessarily be applicable to this product.

NCBI GI #	226342941
NCBI GeneID	158866
NCBI Accession #	NP_001139728.1
UniProt Primary Accession #	Q96MV8
UniProt Secondary Accession #	Q8BGJ0; Q2TGJ4
UniProt Related Accession #	Q96MV8
GenBank Nucleotide #	NM_001146256.1
NCBI Official Full Name	palmitoyltransferase ZDHHC15 isoform 2
NCBI Official Synonym Full Names	zinc finger, DHHC-type containing 15

NCBI Official Symbol	ZDHHC15
NCBI Official Synonym Symbols	MRX91
UniProt Protein Name	Palmitoyltransferase ZDHHC15
UniProt Synonym Protein Names	Zinc finger DHHC domain-containing protein 15
Protein Family	Palmitoyltransferase
UniProt Gene Name	ZDHHC15
UniProt Synonym Gene Names	DHHC-15
UniProt Entry Name	ZDH15_HUMAN
NCBI Protein Information	palmitoyltransferase ZDHHC15; DHHC-15; zinc finger, DHHC domain containing 15; zinc finger DHHC domain-containing protein 15
NCBI Summary for ZDHHC15	The protein encoded by this gene belongs to the DHHC palmitoyltransferase family. Mutations in this gene are associated with mental retardatio X-linked type 91 (MRX91). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]
UniProt Comments for ZDHHC15	ZDHHC15: Palmitoyltransferase specific for GAP43 and DLG4/PSD95. Defects in ZDHHC15 are the cause of mental retardation X- linked type 91 (MRX91). Mental retardation is characterized by significantly sub-average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period. Non-syndromic mental retardation patients do not manifest other clinical signs. Belongs to the DHHC palmitoyltransferase family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Transferase; Membrane protein, multi-pass; EC 2.3.1.225; Membrane protein, integral Chromosomal Location of Human Ortholog: Xq13.3 Cellular Component: Golgi apparatus; integral to membrane Molecular Function: zinc ion binding; palmitoyltransferase activity; protein-cysteine S-palmitoleyltransferase activity Biological Process: establishment of protein localization; protein palmitoylation; synaptic vesicle maturation Disease: Mental Retardation, X-linked 91
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