ZDHHC7 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	ZDHHC7, Blocking Peptide
Full Product Name	ZDHHC7 Blocking Peptide
Product Gene Name	ZDHHC7 blocking peptide
Product Synonym Names	DHHC 7; DHHC7; FLJ10792; FLJ20279; Palmitoyltransferase ZDHHC7; ZDHHC 7; Zinc finger DHHC domain containing 7; Zinc finger DHHC domain containing protein 7; Zinc finger DHHC type containing 7; Zinc finger protein 370; ZNF 370; ZNF370
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	ZDHHC7 peptide (MBS9624447) is used for blocking the activity of ZDHHC7 antibody (MBS9605730)
Molecular Weight	35,140 Da
Chromosome Location	Chromosome: 16; NC_000016.9 (85008066..85045141, complement). Location: 16q24.1
OMIM	614604
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for ZDHHC7 blocking peptide	Blocking/Control
Related Product Information for ZDHHC7 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of ZDHHC7 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 ZDHHC7 purchase	MBS9624447 is a blocking peptide targeting ZDHHC7.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZDHHC7. It may not necessarily be applicable to this product.

NCBI GI #	224493964
NCBI GeneID	55625
NCBI Accession #	NP_001139020.1

UniProt Primary Accession #	Q9NXF8
UniProt Secondary Accession #	Q8WV42; Q9NVD8; D3DUM1
UniProt Related Accession #	Q9NXF8
GenBank Nucleotide #	NM_001145548.1
NCBI Official Full Name	palmitoyltransferase ZDHHC7 isoform 1
NCBI Official Synonym Full Names	zinc finger, DHHC-type containing 7
NCBI Official Symbol	ZDHHC7
NCBI Official Synonym Symbols	DHHC7; SERZ1; SERZ-B; ZNF370
UniProt Protein Name	Palmitoyltransferase ZDHHC7
UniProt Synonym Protein Names	Zinc finger DHHC domain-containing protein 7; DHHC-7; Zinc finger protein 370
Protein Family	Palmitoyltransferase
UniProt Gene Name	ZDHHC7
UniProt Synonym Gene Names	ZNF370; DHHC-7
UniProt Entry Name	ZDHC7_HUMAN
NCBI Protein Information	palmitoyltransferase ZDHHC7; DHHC-7; zinc finger protein 370; zinc finger, DHHC domain containing 7; zinc finger DHHC domain-containing protein 7; Sertoli cell gene with zinc finger domain-&#946
UniProt Comments for ZDHHC7	ZDHHC7: Palmitoyltransferase with broad specificity. Palmitoylates SNAP25 and DLG4/PSD95. May palmitoylate GABA receptors on their gamma subunit (GABRG1, GABRG2 and GABRG3) and thereby regulate their synaptic clustering and/or cell surface stability. Palmitoylates sex steroid hormone receptors, including ESR1, PGR and AR, thereby regulating their targeting to the plasma membrane. This affects rapid intracellular signaling by sex hormones via ERK and AKT kinases and the generation of cAMP, but does not affect that mediated by their nuclear receptors. Belongs to the DHHC palmitoyltransferase family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Palmitoyltransferase; EC 2.3.1.225; Membrane protein, integral; Transferase; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 16q24.1 Cellular Component: nucleoplasm; Golgi apparatus; intracellular membrane-bound organelle; integral to membrane; nucleolus; nucleus Molecular Function: zinc ion binding; palmitoyltransferase activity; protein-cysteine S-palmitoleyltransferase activity Biological Process: peptidyl-S-palmitoyl-L-cysteine biosynthetic process from peptidyl-cysteine; protein palmitoylation
Research Articles on ZDHHC7	**1.** the DHHC-7 and -21 proteins are novel targets to selectively inhibit membrane sex steroid receptor localization and function
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/blocking-peptide/zdhhc7/9624447