Hhex Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	Hhex, Blocking Peptide
Full Product Name	Hhex Peptide - C-terminal region
Product Gene Name	Hhex blocking peptide
Product Synonym Gene Name	Hex; Hhex-rs2; Prh; Prhx
Sequence	PQSNKKDALD SLDTSCEQGQ DLPSEQNKGA SLDRSQCSPS PASQEDPDSE
Species Reactivity	Mouse
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	Hhex peptide (MBS3228317) is used for blocking the activity of Hhex antibody (MBS3203347)
Molecular Weight	30kDa
Product Categories/Family for Hhex blocking peptide	Peptide
Applications Tested/Suitable for Hhex blocking peptide	Western Blot (WB)
Related Product Information for Hhex blocking peptide	This is a synthetic peptide designed for use in combination with anti-Hhex Antibody, made Target Description: Hhex recognizes the DNA sequence 5'-ATTAA-3'.Hhex is a transcriptional repressor. Hhex may play a role in hematopoietic differentiation. Hhex establishes anterior identity at two levels; acts early to enhance canonical WNT-signaling by repressing expression of TLE4, and acts later to inhibit NODAL-signaling by directly targeting NODAL.
Other Notes	Small volumes of Hhex 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 Hhex purchase	MBS3228317 is a blocking peptide targeting Hhex. Also known as Hhex Peptide - C-terminal region. Reactive in Mouse.

ADDITIONAL DETAILS

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

NCBI GI #	6680219
NCBI GeneID	15242
NCBI Accession #	NP_032271
UniProt Primary Accession #	P43120
UniProt Related Accession #	P43120
GenBank Nucleotide #	NM_008245
NCBI Official Full Name	hematopoietically-expressed homeobox protein Hhex
NCBI Official Synonym Full Names	hematopoietically expressed homeobox

NCBI Official Symbol	Hhex
NCBI Official Synonym Symbols	Hex; Prh; Hex1; Prhx; Hhex-rs2
UniProt Protein Name	Hematopoietically-expressed homeobox protein Hhex
UniProt Synonym Protein Names	Homeobox protein PRH
Protein Family	Hematopoietically-expressed homeobox protein
UniProt Gene Name	Hhex
UniProt Synonym Gene Names	Prh; Prhx; Homeobox protein HEX; mHex
UniProt Entry Name	HHEX_MOUSE
NCBI Protein Information	hematopoietically-expressed homeobox protein Hhex
UniProt Comments for Hhex	HHEX: Recognizes the DNA sequence 5'-ATTAA-3'. Transcriptional repressor. May play a role in hematopoietic differentiation. Establishes anterior identity at two levels; acts early to enhance canonical WNT-signaling by repressing expression of TLE4, and acts later to inhibit NODAL-signaling by directly targeting NODAL. Protein type: Transcription factor; DNA-binding Cellular Component: cytoplasm; nucleus Molecular Function: chromatin binding; DNA bending activity; DNA binding; eukaryotic initiation factor 4E binding; protein homodimerization activity; sequence-specific DNA binding; transcription factor activity; transcription factor binding Biological Process: anterior/posterior pattern formation; B cell differentiation; cell differentiation; cell proliferation; embryonic heart tube development; embryonic organ development; endoderm development; forebrain development; forebrain morphogenesis; hemopoiesis; in utero embryonic development; interkinetic nuclear migration; liver development; morphogenesis of an epithelium; mRNA export from nucleus; multicellular organism growth; multicellular organismal development; myeloid leukocyte differentiation; negative regulation of angiogenesis; negative regulation of cyclin-dependent protein kinase activity; negative regulation of transcription from RNA polymerase II promoter; negative regulation of transcription, DNA-dependent; negative regulation of vascular endothelial growth factor receptor signaling pathway; Notch signaling pathway; organ morphogenesis; pancreas development; poly(A)+ mRNA export from nucleus; positive regulation of transcription from RNA polymerase II promoter; positive regulation of Wnt receptor signaling pathway; regulation of cell proliferation; regulation of transcription from RNA polymerase II promoter; regulation of transcription, DNA-dependent; signal transduction; thyroid gland development; tissue morphogenesis; transcription, DNA-dependent; vasculogenesis; Wnt receptor signaling pathway
Research Articles on Hhex	**1.** Hematopoietic stem cells require Hhex to promote PRC2-mediated Cdkn2a repression to enable continued self-renewal and response to hematopoietic stress.
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/mouse-blocking-peptide/hhex/3228317