Hdac6 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	Hdac6, Blocking Peptide
Full Product Name	Hdac6 Peptide - C-terminal region
Product Gene Name	Hdac6 blocking peptide
Product Synonym Gene Name	Hd6; Hdac5; Sfc6; mHDA2
Sequence	VCHHEASEHP LVLSCVDLST WCYVCQAYVH HEDLQDVKNA AHQNKFGEDM
Species Reactivity	Mouse, 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	Hdac6 peptide (MBS3229210) is used for blocking the activity of Hdac6 antibody (MBS3204243)
Molecular Weight	126kDa
Product Categories/Family for Hdac6 blocking peptide	Peptide
Applications Tested/Suitable for Hdac6 blocking peptide	Chromatin IP (ChIP), Western Blot (WB)
Related Product Information for Hdac6 blocking peptide	This is a synthetic peptide designed for use in combination with anti-Hdac6 Antibody, made Target Description: Hdac6 is responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Hdac6 plays a central role in microtubule-dependent cell motility via deacetylation of tubulin.
Other Notes	Small volumes of Hdac6 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 Hdac6 purchase	MBS3229210 is a blocking peptide targeting Hdac6. Also known as Hdac6 Peptide - C-terminal region. Reactive in Mouse, Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Hdac6. It may not necessarily be applicable to this product.

NCBI GI #	194353997
NCBI GeneID	15185
NCBI Accession #	NP_034543
UniProt Primary Accession #	Q9Z2V5
UniProt Related Accession #	Q9Z2V5
GenBank Nucleotide #	NM_010413
NCBI Official Full Name	histone deacetylase 6

NCBI Official Synonym Full Names	histone deacetylase 6
NCBI Official Symbol	Hdac6
NCBI Official Synonym Symbols	Hd6; Sfc6; Hdac5; mHDA2
UniProt Protein Name	Histone deacetylase 6
UniProt Synonym Protein Names	Histone deacetylase mHDA2
UniProt Gene Name	Hdac6
UniProt Synonym Gene Names	HD6
UniProt Entry Name	HDAC6_MOUSE
NCBI Protein Information	histone deacetylase 6
UniProt Comments for Hdac6	HDAC6: Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Plays a central role in microtubule-dependent cell motility via deacetylation of tubulin. Interacts with CBFA2T3, HDAC11 and SIRT2. Interacts with F-actin. Interacts with BBIP10. Under proteasome impairment conditions, interacts with UBD via its histone deacetylase 1 and UBP-type zinc-finger regions. Interacts with CYLD. Interacts with ZMYND15. Belongs to the histone deacetylase family. HD type 2 subfamily. Protein type: Nuclear receptor co-regulator; Deacetylase; Ubiquitin conjugating system; EC 3.5.1.98 Cellular Component: axon; caveola; cell projection; centrosome; cytoplasm; cytoplasmic microtubule; cytosol; dendrite; dynein complex; histone deacetylase complex; inclusion body; leading edge; microtubule; microtubule associated complex; neuron projection; nucleus; perikaryon; perinuclear region of cytoplasm; protein complex Molecular Function: actin binding; alpha-tubulin binding; beta-catenin binding; beta-tubulin binding; histone deacetylase activity; histone deacetylase binding; Hsp90 protein binding; hydrolase activity; metal ion binding; microtubule binding; misfolded protein binding; NAD-dependent histone deacetylase activity (H3-K14 specific); polyubiquitin binding; protein binding; tau protein binding; tubulin deacetylase activity; ubiquitin binding; ubiquitin protein ligase binding; zinc ion binding Biological Process: chromatin modification; collateral sprouting; histone deacetylation; intracellular protein transport; lysosome localization; macroautophagy; misfolded or incompletely synthesized protein catabolic process; mitochondrion localization; negative regulation of microtubule depolymerization; negative regulation of protein complex disassembly; negative regulation of proteolysis; positive regulation of signal transduction; protein amino acid deacetylation; protein complex disassembly; protein polyubiquitination; regulation of fat cell differentiation; regulation of gene expression, epigenetic; regulation of protein stability; regulation of receptor activity; regulation of transcription, DNA-dependent; response to misfolded protein; response to organic substance; response to toxin; transcription, DNA-dependent; ubiquitin-dependent protein catabolic process; ubiquitin-dependent protein catabolic process via the multivesicular body pathway
Research Articles on Hdac6	**1.** HDAC6 promotes T-regulatory cell plasticity
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