OTUD4 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	OTUD4, Blocking Peptide
Full Product Name	OTUD4 Peptide - C-terminal region
Product Gene Name	OTUD4 blocking peptide
Product Synonym Gene Name	HIN1; DUBA6; HSHIN1
Sequence	Synthetic peptide located within the following region: DWGYSGRGGY QHVRSEESWK GQPSRSRDEG YQYHRNVRGR PFRGDRRRSG
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	OTUD4 peptide (MBS3245470) is used for blocking the activity of OTUD4 antibody (MBS3220668)
Molecular Weight	115 kDa
OMIM	611744
Product Categories/Family for OTUD4 blocking peptide	Peptide
Related Product Information for OTUD4 blocking peptide	This is a synthetic peptide designed for use in combination with anti- OTUD4 Antibody, made Target Description: Alternatively spliced transcript variants have been found for this gene. The smaller protein isoform encoded by the shorter transcript variant is found only in HIV-1 infected cells.
Other Notes	Small volumes of OTUD4 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 OTUD4 purchase	MBS3245470 is a blocking peptide targeting OTUD4. Also known as OTUD4 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OTUD4. It may not necessarily be applicable to this product.

NCBI GI #	156630992
NCBI GeneID	54726
NCBI Accession #	NP_001096123.1
UniProt Primary Accession #	Q01804
UniProt Related Accession #	Q01804
GenBank Nucleotide #	NM_001102653.1
NCBI Official Synonym Full Names	OTU deubiquitinase 4
NCBI Official Symbol	OTUD4
NCBI Official Synonym Symbols	HIN1; DUBA6; HSHIN1

UniProt Protein Name	OTU domain-containing protein 4
UniProt Synonym Protein Names	HIV-1-induced protein HIN-1
Protein Family	OTU domain-containing protein
UniProt Gene Name	OTUD4
UniProt Synonym Gene Names	HIN1; KIAA1046
UniProt Entry Name	OTUD4_HUMAN
NCBI Protein Information	OTU domain-containing protein 4
NCBI Summary for OTUD4	Alternatively spliced transcript variants have been found for this gene. The smaller protein isoform encoded by the shorter transcript variant is found only in HIV-1 infected cells. [provided by RefSeq, Jul 2010]
UniProt Comments for OTUD4	OTUD4: Alternatively spliced transcript variants have been found for this gene. The smaller protein isoform encoded by the shorter transcript variant is found only in HIV-1 infected cells. [provided by RefSeq, Jul 2010] Protein type: Hydrolase; EC 3.4.19.12 Chromosomal Location of Human Ortholog: 4q31.21 Molecular Function: ubiquitin-specific protease activity Biological Process: proteolysis
Research Articles on OTUD4	**1.** Authors demonstrate that the deubiquitinase OTUD4, which nominally encodes a K48-specific deubiquitinase, is phosphorylated near its catalytic domain, activating a latent K63-specific deubiquitinase. Besides phosphorylation, this latter activity requires an adjacent ubiquitin-interacting motif, which increases the affinity of OTUD4 for K63-linked chains.
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