CNOT4 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	CNOT4, Blocking Peptide
Full Product Name	CNOT4 Peptide - middle region
Product Gene Name	CNOT4 blocking peptide
Product Synonym Gene Name	CLONE243; NOT4; NOT4H
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	CNOT4 peptide (MBS3238551) is used for blocking the activity of CNOT4 antibody (MBS3213610)
Molecular Weight	70kDa
OMIM	604911
Product Categories/Family for CNOT4 blocking peptide	Peptide
Applications Tested/Suitable for CNOT4 blocking peptide	Western Blot (WB)
Related Product Information for CNOT4 blocking peptide	This is a synthetic peptide designed for use in combination with anti-CNOT4 antibody made Target Description: CNOT4 has E3 ubiquitin ligase activity. The CCR4-NOT complex functions as general transcription regulation complex.
Other Notes	Small volumes of CNOT4 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 CNOT4 purchase	MBS3238551 is a blocking peptide targeting CNOT4. Also known as CNOT4 Peptide - middle region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CNOT4. It may not necessarily be applicable to this product.

NCBI GI #	56550057
NCBI GeneID	4850
NCBI Accession #	NP_037448
UniProt Primary Accession #	O95628
UniProt Related Accession #	O95628
GenBank Nucleotide #	NM_013316
NCBI Official Full Name	CCR4-NOT transcription complex subunit 4 isoform a
NCBI Official Synonym Full Names	CCR4-NOT transcription complex subunit 4
NCBI Official Symbol	CNOT4
NCBI Official Synonym Symbols	NOT4; NOT4H; CLONE243

UniProt Protein Name	CCR4-NOT transcription complex subunit 4
UniProt Synonym Protein Names	CCR4-associated factor 4; E3 ubiquitin-protein ligase CNOT4; Potential transcriptional repressor NOT4Hp
Protein Family	CCR4-NOT transcription complex
UniProt Gene Name	CNOT4
UniProt Synonym Gene Names	NOT4
UniProt Entry Name	CNOT4_HUMAN
NCBI Protein Information	CCR4-NOT transcription complex subunit 4
NCBI Summary for CNOT4	The protein encoded by this gene is a subunit of the CCR4-NOT complex, a global transcriptional regulator. The encoded protein interacts with CNOT1 and has E3 ubiquitin ligase activity. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2010]
UniProt Comments for CNOT4	CNOT4: Has E3 ubiquitin ligase activity. The CCR4-NOT complex functions as general transcription regulation complex. 8 isoforms of the human protein are produced by alternative splicing. Protein type: Ubiquitin ligase; EC 6.3.2.19; EC 6.3.2.-; Ubiquitin conjugating system; Ligase Chromosomal Location of Human Ortholog: 7q33 Cellular Component: cytosol; nucleus; CCR4-NOT complex Molecular Function: protein binding; zinc ion binding; nucleotide binding; ubiquitin-protein ligase activity; ligase activity Biological Process: poly(A) tail shortening; protein autoubiquitination; gene expression; mRNA catabolic process, deadenylation-dependent decay
Research Articles on CNOT4	**1.** These results indicate that CNOT4 is a ubiquitin ligase of influenza A virus nucleoprotein, and ubiquitination of the nucleoprotein plays a positive role in viral RNA replication.
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