DUSP11 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	DUSP11, Blocking Peptide
Full Product Name	DUSP11 Peptide - C-terminal region
Product Gene Name	DUSP11 blocking peptide
Product Synonym Gene Name	PIR1
Sequence	Synthetic peptide located within the following region: HTQTQSLQQS VRKFSENPHV YQRHHLPPPG PPGEDYSHRR YSWNVKPNAS
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	DUSP11 peptide (MBS3247507) is used for blocking the activity of DUSP11 antibody (MBS3222840)
Molecular Weight	36 kDa
OMIM	603092
Product Categories/Family for DUSP11 blocking peptide	Peptide
Related Product Information for DUSP11 blocking peptide	This is a synthetic peptide designed for use in combination with anti- DUSP11 Antibody, made Target Description: The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which is associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product is localized to the nucleus and binds directly to RNA and splicing factors, and thus it is suggested to participate in nuclear mRNA metabolism.
Other Notes	Small volumes of DUSP11 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 DUSP11 purchase	MBS3247507 is a blocking peptide targeting DUSP11. Also known as DUSP11 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DUSP11. It may not necessarily be applicable to this product.

NCBI GI #	205277447
NCBI GeneID	8446
NCBI Accession #	NP_003575.2
UniProt Primary Accession #	O75319
UniProt Related Accession #	O75319

GenBank Nucleotide #	NM_003584.2
NCBI Official Full Name	RNA/RNP complex-1-interacting phosphatase
NCBI Official Synonym Full Names	dual specificity phosphatase 11
NCBI Official Symbol	DUSP11
NCBI Official Synonym Symbols	PIR1
UniProt Protein Name	RNA/RNP complex-1-interacting phosphatase
UniProt Synonym Protein Names	Dual specificity protein phosphatase 11; Phosphatase that interacts with RNA/RNP complex 1
Protein Family	RNA/RNP complex-1-interacting phosphatase
UniProt Gene Name	DUSP11
UniProt Synonym Gene Names	PIR1
UniProt Entry Name	DUS11_HUMAN
NCBI Protein Information	RNA/RNP complex-1-interacting phosphatase
NCBI Summary for DUSP11	The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which is associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product is localized to the nucleus and binds directly to RNA and splicing factors, and thus it is suggested to participate in nuclear mRNA metabolism. [provided by RefSeq, Sep 2008]
Research Articles on DUSP11	**1.** Results implicate DUSP11 as an important component of XRN-mediated restriction of hepatitis C virus replication.
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