RASAL3 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	RASAL3, Blocking Peptide
Full Product Name	RASAL3 Peptide - C-terminal region
Product Gene Name	RASAL3 blocking peptide
Sequence	Synthetic peptide located within the following region: PRKPSVPWQR QMDQPQDRNQ ALGTHRPVNK LAELQCEVAA LREEQKVLSR
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	RASAL3 peptide (MBS3246072) is used for blocking the activity of RASAL3 antibody (MBS3221306)
Molecular Weight	111 kDa
Product Categories/Family for RASAL3 blocking peptide	Peptide
Related Product Information for RASAL3 blocking peptide	This is a synthetic peptide designed for use in combination with anti-RASAL3 Antibody, made Target Description: Functions as a Ras GTPase-activating protein. Plays an important role in the expansion and functions of natural killer T (NKT) cells in the liver by negatively regulating RAS activity and the down-stream ERK signaling pathway.
Other Notes	Small volumes of RASAL3 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 RASAL3 purchase	MBS3246072 is a blocking peptide targeting RASAL3. Also known as RASAL3 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RASAL3. It may not necessarily be applicable to this product.

NCBI GI #	130502162
NCBI GeneID	64926
NCBI Accession #	NP_075055.1
UniProt Primary Accession #	Q86YV0
UniProt Related Accession #	Q86YV0
GenBank Nucleotide #	NM_022904.1
NCBI Official Full Name	RAS protein activator like-3 isoform 1
NCBI Official Synonym Full Names	RAS protein activator like 3
NCBI Official Symbol	RASAL3
UniProt Protein Name	RAS protein activator like-3

Protein Family	RAS protein activator
UniProt Gene Name	RASAL3
UniProt Entry Name	RASL3_HUMAN
NCBI Protein Information	RAS protein activator like-3
NCBI Summary for RASAL3	This gene belongs to the Ras GTPase-activating proteins (RasGAP) family and encodes a protein with pleckstrin homology (PH), C2, and Ras GTPase-activation protein (RasGAP) domains. This protein is localized near or at the plasma membrane when expressed exogenously. Reduced expression of this gene in some cell lines resulted in increased levels of the active form of Ras (Ras-GTP), suggesting that this gene may play a role in negatively regulating the Ras signaling pathway. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2017]
UniProt Comments for RASAL3	Function: May function as a Ras GTPase-activating protein By similarity. Sequence similarities: Contains 1 C2 domain.Contains 1 PH domain.Contains 1 Ras-GAP domain. Sequence caution: The sequence AAH30281.1 differs from that shown. Reason: Erroneous initiation. The sequence BAB15064.1 differs from that shown. Reason: Erroneous initiation. The sequence BAC56928.1 differs from that shown. Reason: Erroneous initiation. Translation N-terminally shortened.The sequence BAC56928.1 differs from that shown. Reason: Erroneous termination at position 723. Translated as Arg.
Research Articles on RASAL3	**1.** identified a novel Ras GTPase-activating proteins protein, RASAL3, which is predominantly expressed in cells of hematopoietic lineages, including NKT, B, and T cells
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