SWAP70 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	SWAP70, Blocking Peptide
Full Product Name	SWAP70 Peptide - middle region
Product Gene Name	SWAP70 blocking peptide
Product Synonym Gene Name	HSPC321; SWAP-70
Sequence	Synthetic peptide located within the following region: DKYPLIIVSE EIEYLLKKLT EAMGGGWQQE QFEHYKINFD DSKNGLSAWE
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	SWAP70 peptide (MBS3244704) is used for blocking the activity of SWAP70 antibody (MBS3219844)
Molecular Weight	64 kDa
OMIM	604762
Product Categories/Family for SWAP70 blocking peptide	Peptide
Applications Tested/Suitable for SWAP70 blocking peptide	Western Blot (WB)
Related Product Information for SWAP70 blocking peptide	This is a synthetic peptide designed for use in combination with anti-SWAP70 Antibody, made
Other Notes	Small volumes of SWAP70 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 SWAP70 purchase	MBS3244704 is a blocking peptide targeting SWAP70. Also known as SWAP70 Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SWAP70. It may not necessarily be applicable to this product.

NCBI GI #	663070936
NCBI GeneID	23075
NCBI Accession #	NP_001284643.1
UniProt Primary Accession #	Q9UH65
UniProt Related Accession #	Q9UH65
GenBank Nucleotide #	NM_001297714.1
NCBI Official Full Name	switch-associated protein 70 isoform 2
NCBI Official Synonym Full Names	switching B cell complex subunit SWAP70

NCBI Official Symbol	SWAP70
NCBI Official Synonym Symbols	HSPC321; SWAP-70
UniProt Protein Name	Switch-associated protein 70
Protein Family	Switch-associated protein
UniProt Gene Name	SWAP70
UniProt Synonym Gene Names	KIAA0640; SWAP-70
UniProt Entry Name	SWP70_HUMAN
NCBI Protein Information	switch-associated protein 70
UniProt Comments for SWAP70	SWAP-70: Phosphatidylinositol 3,4,5-trisphosphate-dependent guanine nucleotide exchange factor (GEF) which, independently of RAS, transduces signals from tyrosine kinase receptors to RAC. It also mediates signaling of membrane ruffling. Regulates the actin cytoskeleton as an effector or adapter protein in response to agonist stimulated phosphatidylinositol (3,4)-bisphosphate production and cell protrusion. Protein type: GEFs; GEFs, Rac/Rho Chromosomal Location of Human Ortholog: 11p15 Cellular Component: lamellipodium; cytoplasm; plasma membrane; nucleus Molecular Function: DNA binding; calcium ion binding; ATP binding Biological Process: isotype switching
Research Articles on SWAP70	**1.** Expression of switch-associated protein 70 is associated with lymphocyte activation and reduced disability in multiple sclerosis.
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