TRIP10 Blocking Peptide

PRODUCT OVERVIEW

Product Name	TRIP10, Blocking Peptide
Full Product Name	TRIP10 Peptide
Product Gene Name	TRIP10 blocking peptide
Product Synonym Gene Name	STP; CIP4; HSTP; STOT
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	TRIP10 peptide (MBS3226916) is used for blocking the activity of TRIP10 antibody (MBS3201919)
Molecular Weight	63kDa
OMIM	604504
Product Categories/Family for TRIP10 blocking peptide	Peptide
Applications Tested/Suitable for TRIP10 blocking peptide	Western Blot (WB)
Related Product Information for TRIP10 blocking peptide	This is a synthetic peptide designed for use in combination with anti-TRIP10 antibody made Target Description: TRIP10 is in FNBP1 family of proteins.
Other Notes	Small volumes of TRIP10 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 TRIP10 purchase	MBS3226916 is a blocking peptide targeting TRIP10. Also known as TRIP10 Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRIP10. It may not necessarily be applicable to this product.

NCBI GI #	11342676
NCBI GeneID	9322
NCBI Accession #	NP_004231
UniProt Primary Accession #	Q15642
UniProt Related Accession #	Q15642
GenBank Nucleotide #	NM_004240
NCBI Official Full Name	cdc42-interacting protein 4 isoform 2
NCBI Official Synonym Full Names	thyroid hormone receptor interactor 10
NCBI Official Symbol	TRIP10
NCBI Official Synonym Symbols	STP; CIP4; HSTP; STOT; TRIP-10
UniProt Protein Name	Cdc42-interacting protein 4

UniProt Synonym Protein Names	Protein Felic; Salt tolerant protein; hSTP; Thyroid receptor-interacting protein 10; TR-interacting protein 10; TRIP-10
Protein Family	Cdc42-interacting protein
UniProt Gene Name	TRIP10
UniProt Synonym Gene Names	CIP4; STOT; STP; hSTP; TR-interacting protein 10; TRIP-10
UniProt Entry Name	CIP4_HUMAN
NCBI Protein Information	cdc42-interacting protein 4
UniProt Comments for TRIP10	TRIP10: Required for translocation of GLUT4 to the plasma membrane in response to insulin signaling. Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during endocytosis. Binds to lipids such as phosphatidylinositol 4,5-bisphosphate and phosphatidylserine and promotes membrane invagination and the formation of tubules. Also promotes CDC42-induced actin polymerization by recruiting WASL/N- WASP which in turn activates the Arp2/3 complex. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. Required for the formation of podosomes, actin-rich adhesion structures specific to monocyte-derived cells. May be required for the lysosomal retention of FASLG/FASL. Belongs to the FNBP1 family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Adaptor/scaffold; Nuclear receptor co-regulator Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: nucleoplasm; Golgi apparatus; cell projection; cytoskeleton; intracellular membrane-bound organelle; lysosome; perinuclear region of cytoplasm; cytoplasm; cell cortex; cytosol; phagocytic cup Molecular Function: identical protein binding; protein binding; lipid binding Biological Process: regulation of small GTPase mediated signal transduction; small GTPase mediated signal transduction; endocytosis; cell communication; actin cytoskeleton organization and biogenesis; signal transduction
Research Articles on TRIP10	**1.** Data show that CIP4 is highly expressed in nasopharyngeal carcinoma (NPC) tissues and is associated with poor prognosis. Also, the study provides evidence that CIP4 plays an important role in the promotion of NPC metastasis by mediating invadopodia formation and activating the EGFR pathway.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/blocking-peptide/trip10/3226916