TRIP6 Blocking Peptide

PRODUCT OVERVIEW

Product Name	TRIP6, Blocking Peptide
Full Product Name	TRIP6 Peptide
Product Gene Name	TRIP6 blocking peptide
Product Synonym Gene Name	MGC10556; MGC10558; MGC29959; MGC3837; MGC4423; OIP1; ZRP-1; OIP-1; TRIP-6; TRIP6i2
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	TRIP6 peptide (MBS3235301) is used for blocking the activity of TRIP6 antibody (MBS3210345)
Molecular Weight	50kDa
OMIM	602933
Product Categories/Family for TRIP6 blocking peptide	Peptide
Applications Tested/Suitable for TRIP6 blocking peptide	Western Blot (WB)
Related Product Information for TRIP6 blocking peptide	This is a synthetic peptide designed for use in combination with anti-TRIP6 antibody made Target Description: TRIP6 is a member of the zyxin family and encodes a protein with three LIM zinc-binding domains. This protein localizes to focal adhesion sites and along actin stress fibers. Recruitment of TRIP6 to the plasma membrane occurs in a lysophosphatidic acid (LPA)-dependent manner and it regulates LPA-induced cell migration.This gene is a member of the zyxin family and encodes a protein with three LIM zinc-binding domains. This protein localizes to focal adhesion sites and along actin stress fibers. Recruitment of this protein to the plasma membrane occurs in a lysophosphatidic acid (LPA)-dependent manner and it regulates LPA-induced cell migration. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Other Notes	Small volumes of TRIP6 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 TRIP6 purchase	MBS3235301 is a blocking peptide targeting TRIP6. Also known as TRIP6 Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRIP6. It may not necessarily be applicable to this product.

NCBI GI #	91208423
NCBI GeneID	7205
NCBI Accession #	NP_003293
UniProt Primary Accession #	Q15654
UniProt Related Accession #	Q15654
GenBank Nucleotide #	NM_003302

NCBI Official Full Name	thyroid receptor-interacting protein 6
NCBI Official Synonym Full Names	thyroid hormone receptor interactor 6
NCBI Official Symbol	TRIP6
NCBI Official Synonym Symbols	OIP1; OIP-1; ZRP-1; TRIP-6; TRIP6i2
UniProt Protein Name	Thyroid receptor-interacting protein 6
UniProt Synonym Protein Names	Opa-interacting protein 1; OIP-1; Zyxin-related protein 1; ZRP-1
Protein Family	Thyroid receptor-interacting protein
UniProt Gene Name	TRIP6
UniProt Synonym Gene Names	OIP1; TR-interacting protein 6; TRIP-6; OIP-1; ZRP-1
UniProt Entry Name	TRIP6_HUMAN
NCBI Protein Information	thyroid receptor-interacting protein 6
NCBI Summary for TRIP6	This gene is a member of the zyxin family and encodes a protein with three LIM zinc-binding domains. This protein localizes to focal adhesion sites and along actin stress fibers. Recruitment of this protein to the plasma membrane occurs in a lysophosphatidic acid (LPA)-dependent manner and it regulates LPA-induced cell migration. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq, Jul 2008]
UniProt Comments for TRIP6	TRIP6: thyroid receptor interacting protein 6 specifically interacts with the ligand-binding domain of the thyroid receptor (TR). Requires the presence of thyroid hormone for its interaction. Interacts with PTPN13. Functions downstream of the activated LPA(2) receptor and is involved in cell adhesion and migration. Protein type: Nuclear receptor co-regulator; Motility/polarity/chemotaxis; Adaptor/scaffold Chromosomal Location of Human Ortholog: 7q22 Cellular Component: interleukin-1 receptor complex; cytoskeleton; focal adhesion; cytoplasm; plasma membrane; nucleus Molecular Function: protein binding; interleukin-1 receptor binding; zinc ion binding; thyroid hormone receptor binding; kinase binding Biological Process: release of cytoplasmic sequestered NF-kappaB; focal adhesion formation; regulation of transcription, DNA-dependent; transcription, DNA-dependent; positive regulation of cell migration
Research Articles on TRIP6	**1.** TRIP6 acts as an intermediary connecting tension monitoring at adherens junctions to Hippo signaling, which has implications for how tension contributes to growth of organs and tissues during development, tissue repair during injury and to pathological conditions such as cancer.
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