TIPIN Blocking Peptide

PRODUCT OVERVIEW

Product Name	TIPIN, Blocking Peptide
Full Product Name	TIPIN Peptide
Product Gene Name	TIPIN blocking peptide
Product Synonym Names	FLJ20516; TIMELESS interacting protein; TIPIN antibody
Form/Format	Antigenic Blocking Peptide
Concentration	Quantity: 250 ug; Volume: 100 ul (lot specific)
Preparation and Storage	-20• degree C for long term storage
Antibody/Peptide Pairs	TIPIN peptide (MBS544568) is used for blocking the activity of TIPIN antibody (MBS540374)
Antibody/Peptide Pairs	TIPIN peptide (MBS544568) is used for blocking the activity of TIPIN antibody (MBS5400069)
Antibody/Peptide Pairs	TIPIN peptide (MBS544568) is used for blocking the activity of TIPIN antibody (MBS5400070)
Molecular Weight	34,555 Da
OMIM	610716
Immunogen	Synthetic peptide taken within amino acid region 240-270 on mouse TIPIN protein.
Structure	Interacts with TIMELESS, which impairs TIMELESS self-association. Interacts with RPA2, PRDX2, MCM6 and MCM7.
Subcellular Location	Cytoplasm, Nucleus
Applications Tested/Suitable for TIPIN blocking peptide	Immunocompetition, Immunodepletion
Application Notes for TIPIN blocking peptide	Western Blot: 1:500
Related Product Information for TIPIN blocking peptide	Antigenic Blocking Peptide Timeless-interacting protein Antibody Plays an important role in the control of DNA replication and the maintenance of replication fork stability. Important for cell survival after DNA damage or replication stress.
Other Notes	Small volumes of TIPIN 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 TIPIN purchase	MBS544568 is a blocking peptide targeting TIPIN. Also known as TIPIN Peptide.

ADDITIONAL DETAILS

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

NCBI GI #	32879807
NCBI GeneID	54962
NCBI Accession #	DAA01365.1
UniProt Primary Accession #	Q9BVW5
UniProt Secondary Accession #	Q9NWZ6; B2CW64

UniProt Related Accession #	Q9BVW5
NCBI Official Full Name	TPA_exp: timeless-interacting protein
NCBI Official Synonym Full Names	TIMELESS interacting protein
NCBI Official Symbol	TIPIN
UniProt Protein Name	TIMELESS-interacting protein
Protein Family	TIMELESS-interacting protein
UniProt Gene Name	TIPIN
UniProt Entry Name	TIPIN_HUMAN
NCBI Protein Information	TIMELESS-interacting protein
NCBI Summary for TIPIN	The protein encoded by this gene is part of the replisome complex, a group of proteins that support DNA replication. It binds TIM, which is involved in circadian rhythm regulation, and aids in protecting cells against DNA damage and stress. Two pseudogenes and two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]
UniProt Comments for TIPIN	TIPIN: Required for normal progression of S-phase. Important for cell survival after DNA damage or replication stress. May be specifically required for the ATR-CHEK1 pathway in the replication checkpoint induced by hydroxyurea or ultraviolet light. Belongs to the CSM3 family. Chromosomal Location of Human Ortholog: 15q22.31 Cellular Component: cytoplasm; Golgi apparatus; intracellular membrane-bound organelle; nuclear chromatin; nucleoplasm; nucleus Molecular Function: protein binding Biological Process: cell division; DNA replication; DNA replication checkpoint; intra-S DNA damage checkpoint; mitosis; positive regulation of cell proliferation; regulation of DNA replication during S phase; replication fork protection; response to UV
Research Articles on TIPIN	**1.** Tim-Tipin complex (or Tim alone) is able to associate with DNA polymerase epsilon bound to a 40-/80-mer DNA ligand.
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