THTPA Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	THTPA, Blocking Peptide
Full Product Name	THTPA Peptide - N-terminal region
Product Gene Name	THTPA blocking peptide
Product Synonym Gene Name	THTP; THTPASE
Sequence	Synthetic peptide located within the following region: MAQGLIEVER KFLPGPGTEE RLQELGGTLE YRVTFRDTYY DTPELSLMQA
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	THTPA peptide (MBS3247604) is used for blocking the activity of THTPA antibody (MBS3222945)
Molecular Weight	25 kDa
OMIM	611612
Product Categories/Family for THTPA blocking peptide	Peptide
Related Product Information for THTPA blocking peptide	This is a synthetic peptide designed for use in combination with anti- THTPA Antibody, made Target Description: This gene encodes an enzyme which catalyzes the biosynthesis of thiamine disphophate (vitamin B1) by hydrolysis of thiamine triphosphate. Alternative splicing results in multiple transcript variants.
Other Notes	Small volumes of THTPA 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 THTPA purchase	MBS3247604 is a blocking peptide targeting THTPA. Also known as THTPA Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

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

NCBI GI #	187607407
NCBI GeneID	79178
NCBI Accession #	NP_001119811.1
UniProt Primary Accession #	Q9BU02
UniProt Related Accession #	Q9BU02
GenBank Nucleotide #	NM_001126339.3
NCBI Official Full Name	thiamine-triphosphatase isoform 1
NCBI Official Synonym Full Names	thiamine triphosphatase
NCBI Official Symbol	THTPA

NCBI Official Synonym Symbols	THTP; THTPASE
UniProt Protein Name	Thiamine-triphosphatase
Protein Family	Thiamine-triphosphatase
UniProt Gene Name	THTPA
UniProt Synonym Gene Names	ThTPase
UniProt Entry Name	THTPA_HUMAN
NCBI Protein Information	thiamine-triphosphatase
NCBI Summary for THTPA	This gene encodes an enzyme which catalyzes the biosynthesis of thiamine disphophate (vitamin B1) by hydrolysis of thiamine triphosphate. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2011]
UniProt Comments for THTPA	THTP: Hydrolase highly specific for thiamine triphosphate (ThTP). Belongs to the ThTPase family. Protein type: Cofactor and Vitamin Metabolism - thiamine; EC 3.6.1.28; Hydrolase Chromosomal Location of Human Ortholog: 14q11.2 Cellular Component: cytosol Molecular Function: thiamin-triphosphatase activity; hydrolase activity; magnesium ion binding Biological Process: thiamin metabolic process; generation of precursor metabolites and energy; vitamin metabolic process; dephosphorylation; thiamin and derivative metabolic process; water-soluble vitamin metabolic process; thiamin diphosphate metabolic process
Research Articles on THTPA	**1.** The untagged recombinant human ThTPase (hThTPase) was expressed in E. coli and purified to homogeneity.
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