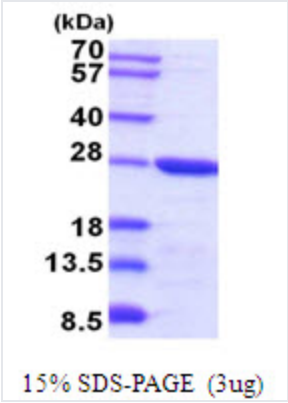
TPT1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tpt1, Recombinant Protein
Full Product Name	Tpt1, 1-172aa, Mouse, His tag, E Coli
Product Gene Name	Tpt1 recombinant protein
Product Synonym Names	Translationally-controlled tumor protein; p21; p23; TCTP; Trt
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMMIIYR DLISHDELFS DIYKIREIAD GLCLEVEGKM VSRTEGAIDD SLIGGNASAE GPEGEGTEST VVTGVDIVMN HHLQETSFTK EAYKKYIKDY MKSLKGKLEE QKPERVKPFM TGAAEQIKHI LANFNNYQFF IGENMNPDGM VALLDYREDG VTPFMIFFKD GLEMEKC
Host	E Coli
Form/Format	Liquid. In phosphate buffered saline containing 10% glycerol, 1mM DTT
Purity/Purification	> 90% by SDS-PAGE
Concentration	1mg/ml (determined by Bradford assay) (lot specific)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.
Molecular Weight	22.1kDa (197aa) confirmed by MALDI-TOF
3D Structure	ModBase 3D Structure for P63028
Antigen Species	Mouse
Tag Information	His-tag
Product Categories/Family for Tpt1 recombinant protein	Immunology
Applications Tested/Suitable for Tpt1 recombinant protein	SDS-PAGE
Related Product Information for Tpt1 recombinant protein	Tpt1 also known as Translationally-controlled tumor protein. TPT1 is regulated at the translational level. This protein is involved in calcium binding and microtubule stabilization. It is an immunoglobulin E dependent histamine-releasing factor produced by lymphocytes of atopic children and present in biologic fluids of allergic patients. Recombinant mouse Tpt1, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product References and Citations for Tpt1 recombinant protein	Sanchez JC., et al. (1997) Electrophoresis. 18 (1):150-5.; Vonakis BM., et al. (2008) Blood. 111 (4):1789-96.
Other Notes	Small volumes of Tpt1 recombinant protein 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 Tpt1 purchase	MBS205959 is a recombinant protein targeting Tpt1. Also known as Tpt1, 1-172aa, Mouse, His tag, E Coli. Host: E Coli.



SDS-Page of Tpt1 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Tpt1. It may not necessarily be applicable to this product.

NCBI GI #	6678437
NCBI GeneID	22070
NCBI Accession #	NP_033455
UniProt Primary Accession #	P63028
UniProt Secondary Accession #	P14701; Q3TMT0; Q3TWS8; Q3TWX0; Q3UAG7; Q569M9
UniProt Related Accession #	P63028
GenBank Nucleotide #	NM_009429.3
NCBI Official Full Name	translationally-controlled tumor protein
NCBI Official Synonym Full Names	tumor protein, translationally-controlled 1
NCBI Official Symbol	Tpt1
NCBI Official Synonym Symbols	Trt; p21; p23; TCTP
UniProt Protein Name	Translationally-controlled tumor protein
UniProt Synonym Protein Names	21 kDa polypeptide; p21; p23
Protein Family	Translationally-controlled tumor protein
UniProt Gene Name	Tpt1
UniProt Synonym Gene Names	Trt; TCTP
NCBI Protein Information	translationally-controlled tumor protein
UniProt Comments for Tpt1	Involved in calcium binding and microtubule stabilization.
Research Articles on Tpt1	**1.** The first crystal structure of murine HRF to 4.0A resolution, reveals a conserved fold. A model for the role of murine HRF in mast cell activation was created based on the human HRF structure.
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