

Recombinant Mouse Tpt1, His-tagged

Cat. No. Tpt1-70M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Tpt1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
Description	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.
Form	Liquid. In Phosphate Buffered Saline containing 10% glycerol, 1mM DTT
Molecular Mass	22.1kDa (197aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMIIYR DLISHDELFS DIYKIREIAD GLCLEVEGKM VSRTEGAIDD SLIGNASAE GPEGEGTEST VVTGVDIVMN HHLQETSFTK EAYKKYIKDY MKSLKGKLEE QKPERVKPFM TGAAEQIKHI LANFNYYQFF IGENMNPDGM VALLDYREDG VTPFMIFFKD GLEMEKC
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store

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at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name Tpt1 tumor protein, translationally-controlled 1 [*Mus musculus*]

Official Symbol Tpt1

Synonyms TPT1; tumor protein, translationally-controlled 1; translationally-controlled tumor protein; fortilin; translationally regulated transcript (21 kDa); 21 kDa polypeptide under translational control; Trt; p21; p23; TCTP;

Gene ID 22070

mRNA Refseq NM_009429

Protein Refseq NP_033455

Function calcium ion binding; transcription factor binding;

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