

**Tpt1, 1-172aa , Mouse, His tag, E.coli**

**Cat.NO.: TP04296**

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3th Edition

**Synonyms:** Translationally-controlled tumor protein, p21, p23, TCTP, Trt

**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. Recombinant mouse Tpt1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline containing 10% glycerol, 1mM DTT

**Molecular Weight:** 22.1kDa (197aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMMIYRDLISHDELFSDIYKIREIADGLCLEVEGKMVSRTEGAIDDSLIGGNA  
SAEGPEGEGTESTVVTGVDIVMNHHLQETSFTKEAYKKYIKDYMKSLKGLKLEEQKPERVKPFMTGAAEQIKHILANF  
NNYQFFIGENMNPDGMVALLDYREDGVTPFMIFFKDGLEMEKC

**Purity:** > 95% by HPLC

**Concentration:** 1mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.