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# TPT1 Mouse

*Tumor Protein Translationally-Controlled 1 Mouse Recombinant*
*RCP2425*

## Product Overview

| | |
|---|---|
| Name | TPT1 Mouse |
| **Description** | |
| Tumor Protein Translationally-Controlled 1 Mouse Recombinant | |
| Accession (Primary) | P63028 |
| **Synonyms** | |
| Translationally-controlled tumor protein, TCTP, 21 kDa polypeptide, p21, p23. | |
| **Introduction** | |
| TPT1 takes part in calcium binding and microtubule stabilization. TPT1 is an immunoglobulin E dependent histamine-releasing factor produced by lymphocytes of atopic children and present in biologic fluids of allergic patients. TPT1 protein is similar to p23, a protein of Ehrlich ascites tumor cells, synthesized in the exponentially growing tumor. TPT1 is similar with IgE-dependent histamine releasing factor. TPT1 has a cell housekeeping function. TPT1 is involved in spermatogenesis and acts as a calcium binding protein of the human placenta that regulates calcium handling in trophoblast cells. | |
| **Source** | |
| Escherichia Coli. | |
| **Physical Appearance** | |
| Sterile Filtered colorless solution. | |
| **Formulation** | |
| TPT1 protein solution (1mg/ml) containing Phosphate Buffered Saline, 10% glycerol And 1mM DTT. | |
| **Stability** | |
| Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. | |
| **Purity** | |
| Greater than 90.0% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |
| MGSSHHHHHH SSGLVPRGSH MGSHM MIIYR DLISHDELFS DIYKIREIAD GLCLEVEGKM VSRTEGAIDD SLIGGNASAE GPEGEGTEST VVTGVDIVMN HHLQETSFTK EAYKKYIKDY MKSLKGKLEE QKPERVKPFM TGAAEQIKHI LANFNNYQFF IGENMNPDGM VALLDYREDG VTPFMIFFKD GLEMEKC. | |

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**Precautions**

TPT1 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P63028 )