

## 32-5116: Recombinant Human Tumor Protein Translationally-Controlled 1

**Alternative Name :** TCTP, Fortilin, Histamine-Releasing Factor, Translationally-controlled tumor protein, p23, HRF, Fortilin, p02, FLJ27337, TPT1.

### Description

Source : Escherichia Coli. TPT1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 210 amino acids (1-172 a.a.) and having a molecular mass of 23.9 kDa. TPT1 is fused to a 38 amino acid His-Tag at N-Terminus and purified by proprietary chromatographic techniques. 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.

### Product Info

**Amount :** 25 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** TPT1 solution containing 20mM Tris-HCl pH-8, 0.1M NaCl and 10% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMMI IYRDLISHDE MFSDIYKIRE  
IADGLCLEVE GKMVSRTEGN IDDSLIGGNA SAEGPEGEGT ESTVITGVDI VMNHHLQETS FTKEAYKKYI  
KDYMKSIGK LEEQRPERVK PFMTGAAEQI KHILANFKNY QFFIGENMNP DGMVALLDYR EDGVTYPMIF  
FKDGLEMEKC.