

TCTP, 1-172aa, Human, His tag, E.coli

Cat.NO.: TP04173

3th Edition

Synonyms:TPT1, HRF, p02, Fortilin, Histamine releasing factor, P23, Tumor protein translationally controlled 1.

Description:TCTP, also known as Translationally controlled tumor protein, 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 TCTP protein was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

Molecular Weight:23.9 kDa (210aa), confirmed by MALDI-TOF.

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMMIYRDLISHDEMFSDIYKIREIADGLCLEVEGKMV
SRTEGNIDDSLIGGNASAEGPEGEGTESTVITGVDIVMNHHLQETSFTKEAYKKYIKDYMKSIKGLKLEEQRPVVKPF
MTGAAEQIKHILANFKNYQFFIGENMNPDGMVALLDYREDGVTPYMIFFKDGLEMEKC

Purity:> 95% by HPLC

Concentration:1 mg/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.