

Recombinant human TCTP/TPT1 protein

Catalog Number: ATGP0466

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-172aa

UniProt No.

P13693

NCBI Accession No.

NP_003286

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

23.9 kDa (210aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHM>MI IYRDLISHDE MFSDIYKIRE IADGLCLEVE
GKMVSRTEGN IDDSLIGGNA SAEGPEGEGT ESTVITGVDI VMNHHLQETS FTKEAYKKYI KDYMKSIKGG LEEQRPERVK
PFMTGAAEQI KHILANFKNY QFFIGENMNP DGMVALLDYR EDGVTPLYMIF FKDGLEMEKC

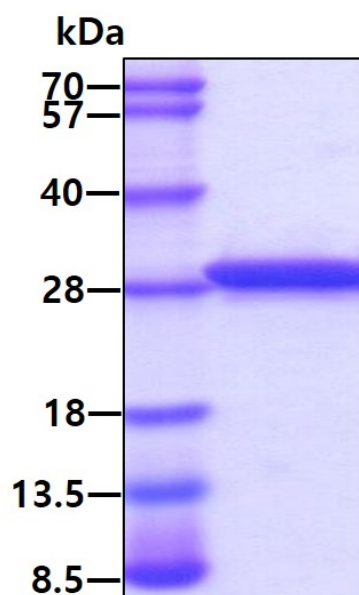
General References

Sanchez JC., et al. (1997) Electrophoresis. 18(1):150-5.

Vonakis BM., et al. (2008) Blood. 111(4):1789-96.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.