Recombinant mouse TCTP/TPT1 protein

Catalog Number: ATGP3090

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-172aa

UniProt No.
P63028

NCBI Accession No.
NP_033455

Alternative Names
Translationally-controlled tumor protein, p21, p23, TCTP, Trt, Tumor protein, Translationally-controlled 1

PRODUCT SPECIFICATION

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

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

Purity
> 90% 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
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.

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Amino acid Sequence

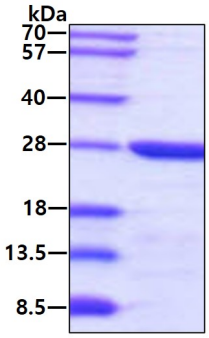
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General References

Sanchez JC., et al. (1997) Electrophoresis. 18(1):150-5.
Vonakis BM., et al. (2008) Blood. 111(4):1789-96.

DATA

SDS-PAGE



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