

Recombinant human PTMA protein

Catalog Number: ATGP2318

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-110aa

UniProt No.

P06454

NCBI Accession No.

NP_002814

Alternative Names

Prothymosin alpha, Prothymosin alpha, TMSA

PRODUCT SPECIFICATION

Molecular Weight

14.5 kDa (133aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by BCA assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

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

Prothymosin alpha, also known as PTMA, belongs to the pro/parathymosin family. This protein may mediate immune function by conferring resistance to certain opportunistic infections. Recombinant human PTMA protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMSDAVD TSSEITTKDL KKKKEVVEEA ENGRDAPANG NANEENGEQE

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ADNEVDEEEE EGEEEEEEEE EGDGEEEDGD EDEEAESATG KRAAEDDEDD DVDTKKQKTD EDD

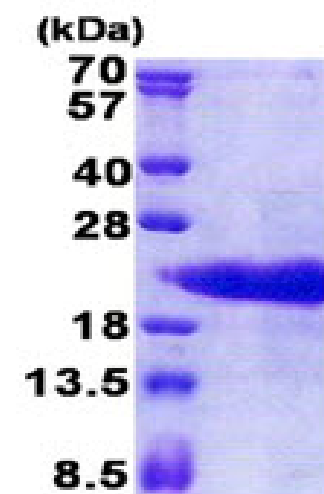
General References

Olsen J.V., et al. (2006) Cell. 127:635-648

Mayya V., et al. (2009) Sci. Signal. 2:RA46-RA46

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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