Recombinant human PTMA protein

Catalog Number: ATGP2318

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-110aa

UniProt No.
P06454

NCBI Accession No.
NP_002814.3

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
> 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
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 SSGLVPRGSH MGS>MSDAAVD TSSEITTKDL KEKKEVVEEA ENGRDAPANG NANEENGEQE

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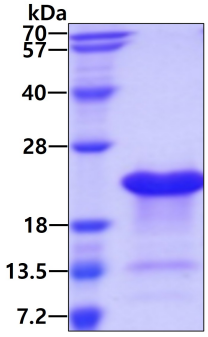
ADNEVDEEEE EGGEEEEEEE EGDGEEEDGD EDEEAESATG KRAAEDDEDD DVDTKKQKTD EDD

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



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