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# **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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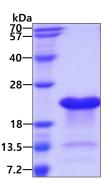
ADNEVDEEEE EGGEEEEEE EGDGEEEDGD EDEEAESATG KRAAEDDEDD DVDTKKQKTD EDD

#### **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.

