

# Recombinant human PTMS protein

Catalog Number: ATGP2386

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-102aa

### UniProt No.

P20962

### NCBI Accession No.

NP\_002815.3

### Alternative Names

Parathymosin, ParaT

## PRODUCT SPECIFICATION

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### Molecular Weight

13.9 kDa (125aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by BCA assay)

### Formulation

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

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### Description

PTMS belongs to the pro/parathymosin family. This protein may mediate immune function by blocking the effect of prothymosin alpha which confers resistance to certain opportunistic infections. Recombinant human PTMS 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 MGS>MSEKSVE AAAELSAKDL KKKKKVEEK ASRKERKKEV VEEEENGAAE

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EEEEETAEDGE EEDEGEEDE EEEEEDEGP ALKRAAEEED EADPKRQKTE NGASA

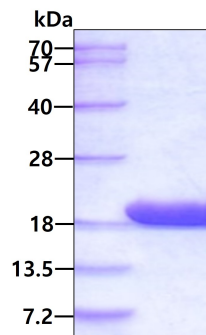
## General References

Clinton M., et al (1989). Biochem. Biophys. Res. Commun. 158:855-862

Choudhary C., et al (2009). Science 325:834-840

## DATA

### SDS-PAGE



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