

## Prothymosin Alpha Recombinant Protein | PTMa recombinant protein

Recombinant Prothymosin Alpha (PTMa)

|                               |                                                           |                                                                           |
|-------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|
| CATALOG #<br><b>AAA144015</b> | HOST<br><b>Host: E ColiSource: Prokaryotic expression</b> | APPLICATIONS<br><b>Immunoprecipitation, ELISA, Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|

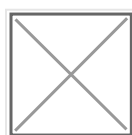
### PRODUCT SYNONYMS

Prothymosin Alpha; Recombinant Prothymosin Alpha (PTMa); PTMa recombinant protein

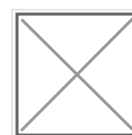
### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | Host: E Coli<br>Source: Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purity/Purification                                  | >90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Form/Format                                          | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence                                             | The target protein is fused with two N-terminal Tags, His-tag and GST-tag. Its sequence is listed below.<br>SDAAVDT<br>SSEITTKDLK EKKEVVEEAE NGRDAPANGN AENEENGEQE ADNEVDDEEEE EGGEEEEEEEE EGDGEEEDGD<br>EDEEAESATG KRAAEDDEDD DVDTKKQKTD EDD                                                                                                                                                                                                                                                                                    |
| Sequence Length                                      | 110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applicable Applications for PTMa recombinant protein | IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Predicted Molecular Mass                             | 42.1kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Accurate Molecular Mass (KD)                         | 42kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Endotoxin                                            | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Expression System                                    | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tag                                                  | two N-terminal Tags, His-tag and GST-tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Organism Species                                     | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Fragment                                             | Ser2~Asp111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Usage                                                | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Preparation and Storage                              | Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.<br>Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |

### IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

|                                  |                    |
|----------------------------------|--------------------|
| NCBI GI #                        | 307354             |
| NCBI GeneID                      | 5757               |
| Molecular Weight                 | 12,074 Da          |
| NCBI Official Full Name          | prothymosin alpha  |
| NCBI Official Synonym Full Names | prothymosin, alpha |
| NCBI Official Symbol             | PTMA               |
| NCBI Official Synonym Symbols    | TMSA               |
| NCBI Protein Information         | prothymosin alpha  |
| UniProt Protein Name             | Prothymosin alpha  |
| UniProt Gene Name                | <b>PTMA</b>        |
| UniProt Synonym Gene Names       | TMSA               |
| UniProt Entry Name               | PTMA_HUMAN         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ptma-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/144015>