

Prothymosin alpha Protein, Rat (P.pastoris, His)

Cat. No.:	HY-P71776
Synonyms:	Ptma; N-terminally processed
Species:	Rat
Source:	P. pastoris
Accession:	P06302 (2S-112D)
Gene ID:	100359583
Molecular Weight:	Approximately 14.3 kDa

PROPERTIES

AA Sequence	<p> S D A A V D T S S E I T T K D L K E K K E V V E E A E N G R D A P A N G N A Q N E E N G E Q E A D N E V D E E E E E G G E E E E E E E E G D G E E E D G D E D E E A E A P T G K R V A E D D E D D D V E T K K Q K K T D E D D </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>Prothymosin alpha, a multifunctional protein, potentially plays a pivotal role in mediating immune function by conferring resistance against specific opportunistic infections. Through its intricate molecular interactions, prothymosin alpha engages with NUPR1, suggesting its involvement in the regulation of apoptotic processes. The multifaceted functions of prothymosin alpha underscore its significance in orchestrating immune responses and cellular homeostasis. Further elucidation of its molecular interactions and regulatory roles can provide valuable insights into the complex mechanisms through which prothymosin alpha contributes to immune function and apoptotic regulation in cellular contexts.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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