

Recombinant Human Prothymosin, Alpha, 1-109aa

Cat. No. PTMA-2382H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Prothymosin, Alpha (aa 1-109) is Expressed in <i>E. coli</i> . Native sequence representing mature prothymosin α (ProT α) isolated from human cells (no affinity-tags, no additional added (linker) sequences). Purified from overproducing bacterial strains by a phenol extraction procedure, DEAE chromatography, and ethanol precipitation.
Species	Human
Source	E.coli
ProteinLength	1-109 a.a.
Description	The exact length of the human protein is 109 aa corresponding to the NCBI data base entries AAH34921 and TNHUA. The N-terminal M is absent in the mature protein (otherwise, it would be 110). ProT α is acetylated at the N-terminal S. MALDI-MS data for the recombinant ProT α isolated from bacteria show that the protein is partially acetylated.
Purity	$\geq 90\%$.
Concentration	2.5mg/ml.
Biological Activity	Stimulates mouse thymocytes comparable to native ProT α .
Formulation	Liquid. 50g dissolved in sterile water.

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Storage -20°C.

GENE INFORMATION

Gene Name PTMA prothymosin, alpha [Homo sapiens]

Synonyms PTMA; prothymosin, alpha; TMSA; MGC104802; gene sequence 28; prothymosin alpha protein

Gene ID 5757

mRNA Refseq NM_001099285

Protein Refseq NP_001092755

MIM 188390

UniProt ID P06454

Chromosome Location 2q35-q36

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