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*E. coli.*Native sequence representing mature prothymosin α (ProTα) 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). ProTα is acetylated at the N-terminal S. MALDI-MS data for the recombinant ProTα isolated from bacteria show that the protein is partially acetylated.
Purity	≥90%.
Concentration	2.5mg/ml.
Biological Activity	Stimulates mouse thymocytes comparable to native ProTα.
Formulation	Liquid. 50μg 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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