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Thymosin alpha 1

Prothymosin alpha, PTMA, TMSA
Catalog # PBV11549r

Specification

Thymosin alpha 1 - Product info

Primary Accession	P06454
Calculated MW	**3.1 kDa KDa**

Thymosin alpha 1 - Additional Info

Gene ID	**5757**
Other Names	
Prothymosin alpha, PTMA, TMSA	
Gene Source	**Human**
Source	**N/A**
Assay&Purity	**HPLC;> 99%**
Recombinant	**No**
Target/Specificity	
PTMA	

Application Notes
Reconstitute in Trifluoro acetic acid

Format
Lyophilized

Storage
-20°C;N/A

Thymosin alpha 1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Thymosin alpha 1 - Images

Thymosin alpha 1 - Background

Thymosin α1 is a peptide fragment derived from prothymosin alpha, a protein that in humans is

encoded by the PTMA gene. Thymosin α1 is believed to be a major component of Thymosin Fraction 5 responsible for the activity of that preparation in restoring immune function in animals lacking thymus glands. It was the first of the peptides from Thymosin Fraction 5 to be completely sequenced and synthesized. Unlike β thymosins, to which it is genetically and chemically unrelated, thymosin α1 is produced as a 28-amino acid fragment, from a longer, 113-amino acid precursor, prothymosin α. It has been found to enhance cell-mediated immunity in humans as well as experimental animals.