

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 Cytometry](#)
- [Cell Culture](#)

Thymosin alpha 1 - Images**Thymosin alpha 1 - Background**

Thymosin α 1 is a peptide fragment derived from prothymosin alpha, a protein that in humans is

encoded by the PTMA gene. Thymosin α 1 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 α 1 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.