

Prothymosin Alpha Human Recombinant

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| Item Number | rAP-4614 |
| Synonyms | Prothymosin alpha, TMSA, PTMA, Prothymosin alpha, N-terminally processed, Thymosin alpha-1. |
| Description | PTMA Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 133 amino acids (1-110) and having a molecular mass of 14.5 kDa. PTMA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. |
| Uniprot Accession Number | P06454 |
| Amino Acid Sequence | MGSSHHHHHH SSGLVPRGSH MGSMSDAAVD TSSEITTKDL KKKKEVVEEA ENGRDAPANG NANEENGEQE ADNEVDEEEEE EGGEEEEEEEE EGDGEEEDGD EDEEAESATG KRAAEDDEDD DVDTKKQKTD EDD. |
| Source | Escherichia Coli. |
| Physical Appearance and Stability | Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. |
| Formulation and Purity | The PTMA solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE. |
| Application | |
| Solubility | |
| Biological Activity | |
| Shipping Format and Condition | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**