

Synthetic Thymosin beta 4

Catalog No.	CRT143A CRT143B CRT143C	Quantity:	1 mg 5 mg 25 mg
Alternate Names:	TMSB4X, FX, TB4X, PTMB4, TMSB4		
Description:	Thymosin B4 is a 43 amino acid peptide which is regarded as the main intracellular G-actin sequestering peptide. It has a molecular formula of $C_{212}H_{350}N_{56}O_{78}S_1$. Extracellular Thymosin B4 may contribute to physiological processes such as angiogenesis, wound healing, and regulation of inflammation.		
Molecular Weight:	4.96 kDa		
Formulation:	Lyophilized from a sterile filtered solution without additives		
Purity:	> 98% as determined by RP-HPLC and SDS-PAGE analyses		
Endotoxin Level:	< 0.1 ng/μg of Thymosin B4		
Amino Acid Sequence:	Ac-Ser-Asp-Lys-Pro-Asp-Met-Ala-Glu-Ile-Glu-Lys-Phe-Asp-Lys-Ser-Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn-Pro-Leu-Pro-Ser-Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys-Gln-Ala-Gly-Glu-Ser-OH.		
Reconstitution:	Centrifuge vial prior to opening. First add sterile distilled water to the vial to fully solubilize the protein to a concentration not less than 100 μg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.		
Storage & Stability:	Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2 -4°C. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein (0.1% HSA or BSA) as a stabilizer. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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