

Recombinant Human TMSB4X Protein (43 aa)

Cat. No. TMSB4X-051T **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TMSB4X Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	43
Description	Thymosin Beta 4 is a naturally occurring peptide. It is found in high concentrations in blood platelets, wound fluid and other tissues in the body. Tβ4 is not a growth factor; rather, it is a major actin regulating peptide. The thymosin beta-4 peptide, if used after a heart attack, might reactivate cardiac progenitor cells to repair damaged heart tissue.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	Data is not available.
Molecular Mass	Approximately 4.9 kDa, a single non-glycosylated polypeptide chain containing 43 amino acids.
AA Sequence	SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQEKQAGES
Endotoxin	Less than 1 EU/mg of rHuTβ4 as determined by LAL method.

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Purity	>97% by SDS-PAGE and HPLC analyses.
Storage	This lyophilized preparation is stable at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 to -70 centigrade. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2mm filtered concentrated solution in 20mM PB, pH 7.4.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	TMSB4X thymosin beta 4 X-linked [Homo sapiens (human)]
Official Symbol	TMSB4X
Synonyms	TMSB4X; thymosin beta 4 X-linked; FX; TB4X; PTMB4; TMSB4;
Gene ID	7114
mRNA Refseq	NM_021109
Protein Refseq	NP_066932
MIM	300159

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UniProt ID

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