

Recombinant Human TMSB4X

Cat. No. TMSB4X-30407TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Thymosin beta 4 with a proprietary tag; predicted mwt: 30.84 kDa;
Species	Human
Source	Wheat Germ
ProteinLength	44 amino acids
Description	This gene encodes an actin sequestering protein which plays a role in regulation of actin polymerization. The protein is also involved in cell proliferation, migration, and differentiation. This gene escapes X inactivation and has a homolog on chromosome Y.
Molecular Weight	30.840kDa inclusive of tags
Tissue specificity	Expressed in several hemopoietic cell lines and lymphoid malignant cells. Decreased levels in myeloma cells.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.31% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MSDKPDMAEIEKFDKSKLKKKTETQEKNPLPSKETIEQEKQAGES
Sequence Similarities	Belongs to the thymosin beta family.
GENE INFORMATION	
Gene Name	TMSB4X thymosin beta 4, X-linked [Homo sapiens]
Official Symbol	TMSB4X
Synonyms	TMSB4X; thymosin beta 4, X-linked; thymosin, beta 4, X chromosome , TMSB4; thymosin beta-4; TB4X;
Gene ID	7114
mRNA Refseq	NM_021109
Protein Refseq	NP_066932
MIM	300159
Uniprot ID	P62328
Chromosome Location	Xq21.3-q22
Pathway	Hemostasis, organism-specific biosystem; Platelet activation, signaling and

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aggregation, organism-specific biosystem; Platelet degranulation, organism-specific biosystem; Regulation of Actin Cytoskeleton, organism-specific biosystem; Regulation of actin cytoskeleton, organism-specific biosystem;

Function

actin binding; protein binding;

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