Recombinant Human TMSB4X 293 Cell Lysate

Cat. No. TMSB4X-904HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for thymosin beta 4, X-linked (TMSB4X) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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; t beta-4; prothymosin beta-4; thymosin, beta 4, X chromosome; FX; PTMB4; TMSB4;
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 aggregation, organism-specific biosystem; Platelet degranulation, organism-specific biosystem; Regulation of Actin Cytoskeleton, organism-specific biosystem; Regulation of actin cytoskeleton, organism-specific biosystem; Regulation of actin cytoskeleton,

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	conserved biosystem; Response to elevated platelet cytosolic Ca2+, organism-specific biosystem;

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