

Recombinant Human TMSB4X 293 Cell Lysate

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

SPECIFICATION

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.
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

 Tel: 1-631-559-9269 1-516-512-3133

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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, conserved biosystem](#); [Response to elevated platelet cytosolic Ca²⁺, organism-specific biosystem](#);

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