

Recombinant Rat Tmsb4x protein, His-tagged

Cat. No. Tmsb4x-7170R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Tmsb4x aa. (Met1~Ser44) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met1~Ser44
Description	May play a role in the regulation of actin dynamics; may be involved in osteoblast differentiation and immune response.
Form	Freeze-dried powder
Molecular Mass	6kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>98%
Characteristic	The isoelectric point is 6.
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

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was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200ug/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Tmsb4x thymosin beta 4, X-linked [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Tmsb4x
Synonyms	Tmsb4x; thymosin beta 4, X-linked; thymosin beta-4; t beta 4; thymosin, beta 4, X chromosome
Gene ID	81814
mRNA Refseq	NM_031136.1
Protein Refseq	NP_112398.1

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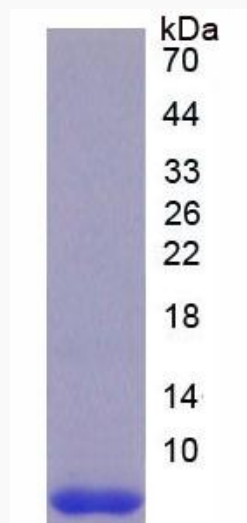
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UniProt ID

P62329

SDS-PAGE

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