

Bioactive

## TMFB4X (Human) Recombinant Protein

Catalog # P7253

Size 25 ug

### Specification

<b>Product Description</b>	Human TMFB4X (P62328, 2 a.a. - 44 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
<b>Sequence</b>	SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQEQQAGESSDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQEQQAGES
<b>Host</b>	<i>Escherichia coli</i>
<b>Theoretical MW (kDa)</b>	4.9
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	<i>Escherichia coli</i> expression system
<b>Purity</b>	> 97% by SDS-PAGE
<b>Endotoxin Level</b>	< 1 EU per 1 ug of protein (determined by LAL method)
<b>Activity</b>	The biological activity determined by the ability to produce a protective effect against hydrogen peroxide in primary lung fibroblasts is in a concentration range of 0.5 - 10.0 ug/ml.
<b>Storage Buffer</b>	Lyophilized from sterile distilled Water up to 0.1 - 1.0 mg/ml
<b>Storage Instruction</b>	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

### Applications

- Functional Study
- SDS-PAGE

## Gene Info — TMSB4X

Entrez GeneID [7114](#)

Protein Accession# [P62328](#)

Gene Name TMSB4X

Gene Alias FX, PTMB4, TB4X, TMSB4

Gene Description thymosin beta 4, X-linked

Omim ID [300159](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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. [provided by RefSeq]

**Other Designations** OTTHUMP00000022925|OTTHUMP00000022926|OTTHUMP00000022927|OTTHUMP00000022928|prothymosin beta-4|thymosin beta-4|thymosin, beta 4|thymosin, beta 4, X chromosome

## Pathway

- [Regulation of actin cytoskeleton](#)