Bioactive

TMFB4X (Human) Recombinant Protein

Catalog # P7253 Size 25 ug

Specification

Product Description	Human TMFB4X (P62328, 2 a.a. - 44 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Sequence	SDKPDMAEIEKFDKSKLKKTETQEKNPLPSKETIEQEKQAGESSDKPDMAEIEKFDKSKLKKTETQEKNPLPSKETIEQEKQAGES
Host	Escherichia coli
Theoretical MW (kDa)	4.9
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 97% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	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.
Storage Buffer	Lyophilized from sterile distilled Water up to 0.1 - 1.0 mg/ml
Storage Instruction	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

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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

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