

TMSB4X Protein, Human, Recombinant

General Information

Synonyms:	TMSB4;T beta-4;TB4X;Fx;THYB4;Thymosin beta-4;TMSB4X
Protein Construction:	2-44 aa
Species:	Human
Expression Host:	E. coli
Accession:	P62328
Molecular Weight:	4.9 kDa (Predicted)
AA Sequence:	SDKPDMAEIEKFDKSKLKKKTETQEKNPLPSKETIEQEKQAGES

QC Testing

Biological Activity:	Fully biologically active when compared to standard. The biological activity determined by its ability to produce a protective effect against hydrogen peroxide in primary lung fibroblasts is in a concentration range of 0.5 - 10 µg/ml.
Purity:	>97% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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