

Datasheet for ABIN7562944

TMSB4X Protein (AA 1-50) (Fc Tag)



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Overview

Quantity:	1 mg
Target:	TMSB4X
Protein Characteristics:	AA 1-50
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMSB4X protein is labelled with Fc Tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Tmsb4x Protein expressed in mammalien cells.
Sequence:	<p>MLLPATMSDK PDMAEIEKFD KSKLKKKTETQ EKNPLPSKET IEQEKQAGES Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our</p>

Product Details

experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: TMSB4X

Alternative Name: Tmsb4x ([TMSB4X Products](#))

Background: Thymosin beta-4 (T beta 4) [Cleaved into: Hemoregulatory peptide AcSDKP (N-acetyl-SDKP) (AcSDKP) (Seraspenide)],FUNCTION: Plays an important role in the organization of the cytoskeleton. Binds to and sequesters actin monomers (G actin) and therefore inhibits actin polymerization. {ECO:0000250|UniProtKB:P62328}., FUNCTION: [Hemoregulatory peptide AcSDKP]: Potent inhibitor of bone marrow derived stem cell differentiation (By similarity). Acts by inhibits the entry of hematopoietic pluripotent stem cells into the S-phase (By similarity). {ECO:0000250|UniProtKB:P62326}.

Molecular Weight: 5.7 kDa

UniProt: [P20065](#)

Pathways: [Regulation of Actin Filament Polymerization](#), [Regulation of Muscle Cell Differentiation](#), [Maintenance of Protein Location](#), [Smooth Muscle Cell Migration](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months