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Datasheet for ABIN7544422

Tropomodulin 1 Protein (TMOD1) (AA 1-359) (His tag)

Overview

Quantity:	1 mg
Target:	Tropomodulin 1 (TMOD1)
Protein Characteristics:	AA 1-359
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tropomodulin 1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat TMOD1 Protein expressed in mammalian cells.
Sequence:	<p>MSYRRELEKY RDLDEDEILG ALTEEELRTL ENELDELPD NALLPAGLRQ KDQTTKAPTG PFKREELLDH LEQAKEFKD REDLVPYTGE KRGKVVWPKQ KPLDPVLESV TLEPELEEAL ANASDAELCD IAAILGMHTL MSNQQYYQAL SSSSIMNKEG LNSVIKPTQY KPVPDEEPNS TDVEETLERI KNDPKLEEV NLNNIRNIPI PTLKAYAEAL KENSIVVKKFS IVGTRSNDPV AYALAEMLKE NKVLKTLNVE SNFISGAGIL RLVEALPYNT SLVEMKIDNQ SQPLGNKVEM EIVSMLEKNA TLLKFGYHFT QQGPRLRASN AMMNNDLVR KRRLADLTGP IIPKCRSGV</p> <p>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:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian 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).

This protein is a made-to-order protein and will be made for the first time for your order. Our 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
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Grade:	custom-made
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Target Details

Target:	Tropomodulin 1 (TMOD1)
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Alternative Name:	TMOD1 (TMOD1 Products)
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Background:	Tropomodulin-1 (Erythrocyte tropomodulin) (E-Tmod),FUNCTION: Blocks the elongation and depolymerization of the actin filaments at the pointed end. The Tmod/TM complex contributes to the formation of the short actin protofilament, which in turn defines the geometry of the membrane skeleton. May play an important role in regulating the organization of actin filaments by preferentially binding to a specific tropomyosin isoform at its N-terminus. {ECO:0000269 PubMed:8002995}.
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Molecular Weight:	40.6 kDa
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UniProt:	P28289
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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.
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Application Details

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