

Datasheet for ABIN7544901
TSP02 Protein (AA 1-170) (His tag)



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Overview

Quantity:	1 mg
Target:	TSP02
Protein Characteristics:	AA 1-170
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TSP02 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat TSP02 Protein expressed in mammalien cells.
Sequence:	MRLQGAIFVL LPHLGPIVW LFTRDHMSGW CEGPRMLSWC PFYKVLLLLVQ TAIYSVVGYA SYLVWKDLGG GLGWPLALPL GLYAVQLTIS WTVLVLFFTV HNPGLALLHL LLLYGLVVST ALIWHPINKL AALLLLPYLA WLTVTSALTY HLWRDSLCPV HQPQPTEKSD 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.
Characteristics:	Key Benefits: <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.

Product Details

- 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

Grade: custom-made

Target Details

Target: TSP02

Alternative Name: TSP02 ([TSP02 Products](#))

Background: Translocator protein 2 (Peripheral-type benzodiazepine receptor-like protein 1),FUNCTION: Cholesterol-binding protein involved in the redistribution of cholesterol from lipid droplets to the endoplasmic reticulum (PubMed:19729679). Required to meet cholesterol demands during erythropoietic differentiation (PubMed:19729679). May play a role in transport processes at the plasma membrane of erythrocytes, including regulating VDAC-mediated ATP export, and import of the heme precursors protoporphyrin IX and 5-aminolevulinic acid (PubMed:27641616, PubMed:30061676, PubMed:31989647). {ECO:0000269|PubMed:19729679, ECO:0000269|PubMed:27641616, ECO:0000269|PubMed:30061676, ECO:0000269|PubMed:31989647}.

Molecular Weight: 19.1 kDa

UniProt: [Q5TGU0](#)

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.

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