

Datasheet for ABIN7560639  
**TSP02 Protein (AA 1-162) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TSP02
Protein Characteristics:	AA 1-162
Origin:	Mouse
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 Tspo2 Protein expressed in mammalien cells.
Sequence:	MQLQGPVFGV VPLLGPLIC MLIHQSSRC EDERKLPWCP PHKVILLVWV TIYSVMGYAS YLVWKELGEG FRWPLALPLG LYSFQLALSW TFLVLFLAAD SPGLALLDLL LLYGLVASLV FIWQPINKLA ALLLLPYLAW LTVTTAITYR LWRDSLCPY QP <b>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.</b>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalien cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li></ul>

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	TSP02
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Alternative Name:	Tspo2 ( <a href="#">TSP02 Products</a> )
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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, PubMed:32358067). Required to meet cholesterol demands during erythropoietic differentiation (PubMed:19729679, PubMed:32358067). 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 (By similarity). {ECO:0000250 UniProtKB:Q5TGU0, ECO:0000269 PubMed:19729679, ECO:0000269 PubMed:32358067}.
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Molecular Weight:	18.3 kDa
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UniProt:	<a href="#">Q9CRZ8</a>
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## Application Details

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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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Restrictions:	For Research Use only
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## Handling

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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