

Datasheet for ABIN7560266

## TRAM2 Protein (AA 1-370) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	TRAM2
Protein Characteristics:	AA 1-370
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRAM2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Tram2 Protein expressed in mammalian cells.
Sequence:	<p>MAFRRRTKSY PLFSQEFIIH NHADIGFCLV LCVLIGLMFE VTAKTAFLFI LPQYNISVPT</p> <p>ADSETVHYHY GPKDLVTILF YVITIIFHA VVQEYILDKI SKRLHLSKVK HSKFNESGQL</p> <p>LVFHLSAVAW CFYVIVTEGY LTNPRSLWED YPHVYLSFQV KFFYLGQLAY WLHSLPELYF</p> <p>QKVRKEEVPR QLQYICLYLL HITGAYLLNL SRLGLILLLL QYSTEALFHM ARLFHFADEN</p> <p>NERLFNAWAA VFGVTRLFIL TLAVLTIGFG LARVENQVFD PEKGNFNTLP CRLGMLLLVC</p> <p>VAQAWLMWRF IHSQLRHWRE YWKEQSAKRR VSAVPRPPAK LLKREPGYHE NGVVKAENGT</p> <p>SSRTKKLKSP <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></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

Grade: custom-made

## Target Details

Target: TRAM2

Alternative Name: Tram2 ([TRAM2 Products](#))

Background: Translocating chain-associated membrane protein 2,FUNCTION: Necessary for collagen type I synthesis. May couple the activity of the ER Ca(2+) pump SERCA2B with the activity of the translocon. This coupling may increase the local Ca(2+) concentration at the site of collagen synthesis, and a high Ca(2+) concentration may be necessary for the function of molecular chaperones involved in collagen folding. Required for proper insertion of the first transmembrane helix N-terminus of TM4SF20 into the ER lumen, may act as a ceramide sensor for regulated alternative translocation (RAT). {ECO:0000250|UniProtKB:Q15035}.

Molecular Weight: 43.2 kDa

UniProt: [Q924Z5](#)

## 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

Application Details

	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