

Datasheet for ABIN7544742

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



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### Overview

Quantity:	1 mg
Target:	TRAM2
Protein Characteristics:	AA 1-370
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRAM2 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant TRAM2 Protein expressed in mammalian cells.
Sequence:	<p>MAFRRRTKSY PLFSQEFVIH NHADIGFCLV LCVLIGLMFE VTAKTAFLFI LPQYNISVPT</p> <p>ADSETVHYHY GPKDLVTILF YIFITILHA VVQEYILDKI SKRLHLSKVK HSKFNESGQL</p> <p>VVFHFTSVIW CFYVVVTEGY LTNPRSLWED YPHVHLPFQV KFFYLCQLAY WLHALPELYF</p> <p>QKVRKEEIPR QLQYICLYLV HIAGAYLLNL SRLGLILLLL QYSTEFLFHT ARLFYFADEN</p> <p>NEKLFSAWAA VFGVTRLFIL TLAVLAIGFG LARMENQAFD PEKGNFNTLF CRLCVLLLV</p> <p>AAQAWLMWRF IHSQLRHWRE YWNEQSAKRR VPATPRLPAR LIKRESGYHE NGVVKAENG</p> <p>SPRTKKLKSP <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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	TRAM2
Alternative Name:	TRAM2 ( <a href="#">TRAM2 Products</a> )
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) (PubMed:27499293). {ECO:0000269 PubMed:14749390, ECO:0000269 PubMed:27499293}.
Molecular Weight:	43.3 kDa
UniProt:	<a href="#">Q15035</a>

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

	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