

Datasheet for ABIN7551687

SAMM50 Protein (AA 1-469) (His tag)



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Overview

Quantity:	1 mg
Target:	SAMM50
Protein Characteristics:	AA 1-469
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SAMM50 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SAMM50 Protein expressed in mammalian cells.
Sequence:	<p>MGT VHARSLE PLPSSGPDFG GLGEEAEFVE VEPEAKQEIL ENKD VVVQHV HFDGLGR TKD</p> <p>DIICEIGDV FKAKNLIEVM RKSHEAREKL LRLGIFRQVD VLIDTCQGDD ALPNGLDVTF</p> <p>EVT ELRRLTG SYNTMVGNNE GSMVLGLKLP NLLGRAEKVT FQFSYGTKET SYGLSFFKPR</p> <p>PGNFERNFSV NLYKVTGQFP WSSLRETD RG MSAEYSFPIW KTSHTVKWEG VWRELGC LSR</p> <p>TASFAVRKES GHSLKSSL SH AMVIDSRNSS ILPRRGALLK VNQELAGYT G GDV SFIKEDF</p> <p>ELQLNKQLIF DSVFSASFWG GMLVPIGDKP SSIADRFYLG GPTSIRGFSM HSIGPQSEGD</p> <p>YLGGEAYWAG GLHLYTPLPF RPGQGGFGEL FRTHFFLNAG NLCNLNYGEG PKAHIRKLAE</p> <p>CIRWSYGAGI VLRLGNIARL ELNYCVPMGV QTGDRICDGV QFAGIRFL Sequence without tag.</p> <p>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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

Characteristics:

Key Benefits:

- 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:

SAMM50

Alternative Name:

SAMM50 ([SAMM50 Products](#))

Background:

Sorting and assembly machinery component 50 homolog (Transformation-related gene 3 protein) (TRG-3),FUNCTION: Plays a crucial role in the maintenance of the structure of mitochondrial cristae and the proper assembly of the mitochondrial respiratory chain complexes (PubMed:22252321, PubMed:25781180). Required for the assembly of TOMM40 into the TOM complex (PubMed:15644312). {ECO:0000269|PubMed:15644312, ECO:0000269|PubMed:22252321, ECO:0000269|PubMed:25781180}.

Molecular Weight:

52.0 kDa

UniProt:

[Q9Y512](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for

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