Datasheet for ABIN7560549
THEM5 Protein (AA 1-248) (His tag)

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Overview

Quantity:	1 mg
Target:	THEM5
Protein Characteristics:	AA 1-248
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This THEM5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Them5 Protein expressed in mammalian cells.
Sequence:	MLRTSFQGVA RLVRHKALYR SPCLLPRVHL ASAFGSSTES LVARFCPEKT DLKDYALPNA SWCSDMLSLY QEFLEKTKSG GWIKLPSFKS NRDHIQGLKL PFGLETASDK QDWRLFTRSI QLEGQGYEYV IFFHPSEKKS VCLFQPGPYL EGAPGFAHGG SLAALMDETY SKTAYLAGEG LFTLSLNIKF KNLIPVGSLA VLDIQVEKIE DQKLYMSCIA QSRDKQTVYA KSSGVFLQLQ LEEQSQEQ **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.**
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: • Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	THEM5
Alternative Name:	Them5 (THEM5 Products)
Background:	Acyl-coenzyme A thioesterase THEM5 (Acyl-CoA thioesterase THEM5) (EC 3.1.2.2) (Acyl-coenzyme A thioesterase 15) (Thioesterase superfamily member 5),FUNCTION: Has acyl-CoA thioesterase activity towards long-chain (C16 and C18) fatty acyl-CoA substrates, with a preference for linoleoyl-CoA and other unsaturated long-chain fatty acid-CoA esters (By similarity). Plays an important role in mitochondrial fatty acid metabolism, and in remodeling of the mitochondrial lipid cardiolipin (PubMed:22586271). Required for normal mitochondrial function (PubMed:22586271). {ECO:0000250|UniProtKB:Q8N1Q8, ECO:0000269|PubMed:22586271}.
Molecular Weight:	27.9 kDa
UniProt:	Q9CQJ0

Application Details

Application Notes:	We expect the protein to work for functional studies. 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