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Datasheet for ABIN7560257

LETMD1 Protein (AA 1-360) (His tag)

Overview

Quantity:	1 mg
Target:	LETMD1
Protein Characteristics:	AA 1-360
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LETMD1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Letmd1 Protein expressed in mammalien cells.
Sequence:	<p>MALSRVCWAR AALWGSTVAP GPFVTRRLQL GRSGPAWRAP RSSKLHLSPK ADVKNLISYV VTKTRAINGS YHRFLGRHFP RFYALYTTFM KGIQMLWADG KKARRIKADM WKQNLKFHQL SYREMEHLRQ FRRDITKCLF VGLISIPFFA NYLVFLLMYL FPRQLLVKHF WTPKQQIDFL DVYHGLRRRS HSEVITHLRR ASTFVSHEKL RRQLTDLCTK VQSGTHPAAQ DVLALRDCFS TYPLGFSQLQ ASQMRALSQA MLLTPYLPPP LLRQLKSHT TVIHQLDRAL AKLGIGQLTA QEVKSACYLR GLNSTHIADD RCRAWLGEWL HISCSLKEPE LSLLLHNWVL LSTNYLETRR</p> <p>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.</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: LETMD1

Alternative Name: Letmd1 ([LETMD1 Products](#))

Background: LETM1 domain-containing protein 1 (Cervical cancer receptor) (MCC-32),FUNCTION: Plays an essential role for mitochondrial structure and function, as well as thermogenesis of brown adipocytes (PubMed:34669999, PubMed:34910916, PubMed:36334589). In brown adipose tissue also localizes in the nucleus where it interacts with the chromatin remodeler SMARCA4 to regulate thermogenic genes expression, such as UCP1 (PubMed:34910916). May regulate phagocytosis and inflammatory responses to lipopolysaccharide in macrophages (By similarity). Involved in tumorigenesis and may function as a negative regulator of the p53/TP53 (PubMed:12879013). {ECO:0000250|UniProtKB:Q6P1Q0, ECO:0000269|PubMed:12879013, ECO:0000269|PubMed:34669999, ECO:0000269|PubMed:34910916, ECO:0000269|PubMed:36334589}.

Molecular Weight: 41.7 kDa

UniProt: [Q924L1](#)

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 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
