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Datasheet for ABIN7546080

Sideroflexin 5 Protein (SFXN5) (AA 1-340) (His tag)

Overview

Quantity:	1 mg
Target:	Sideroflexin 5 (SFXN5)
Protein Characteristics:	AA 1-340
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Sideroflexin 5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SFXN5 Protein expressed in mammalian cells.
Sequence:	MADTATTASA AAASAASASS DAPPFQLGKP RFQQTSFYGR FRHFLDIIDP RTLFVTERRL REAVQLLEDY KHGTLRPGVT NEQLWSAQKI KQAILHPDTN EKIFMPFRMS GYIPFGTPIV VGLLLPNQTL ASTVFWQWLN QSHNACVNYA NRNATKPSA SKFIQGYLGA VISAVSIAVG LNLVLQKANK FTPATRLLIQ RFVPPAVAS ANICNVVLMR YGELEEGIDV LDSGDNLVGS SKIAARHALL ETALTRVVLP MPILVLPPIV MSMLEKTALL QARPRLLLPV QSLVCLAAFG LALPLAISLF PQMSEIETSQ LEPEIAQATS SRTVVYKGL 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:

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:	Sideroflexin 5 (SFXN5)
Alternative Name:	SFXN5 (SFXN5 Products)
Background:	Sideroflexin-5,FUNCTION: Mitochondrial amino-acid transporter (By similarity). Transports citrate (By similarity). Does not act as a serine transporter: not able to mediate transport of serine into mitochondria (PubMed:30442778) (By similarity). In brown adipose tissue, plays a role in the regulation of UCP1-dependent thermogenesis probably by supporting mitochondrial glycerol-3-phosphate utilization (By similarity). {ECO:0000250 UniProtKB:Q8CFD0, ECO:0000250 UniProtKB:Q925N0, ECO:0000250 UniProtKB:Q9H9B4, ECO:0000269 PubMed:30442778}.
Molecular Weight:	37.1 kDa
UniProt:	Q8TD22

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.
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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