

Datasheet for ABIN7545942

SLC25A47 Protein (AA 1-308) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC25A47
Protein Characteristics:	AA 1-308
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC25A47 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC25A47 Protein expressed in mammalian cells.
Sequence:	MDFVAGAIGG VCGVAVGYPL DTVKVRIQTE PKYTGIVHCV RDTYHRERVW GFYRGLSLPV CTVSLVSSVS FGTYRHCLAH ICRLRYGNPD AKPTKADITL SGCASGLVRV FLTSPTEVAK VRLQTQTQAQ KQRRRLSASG PLAVPPMCPV PPACPEPKYR GPLHCLATVA REEGLCGLYK GSSALVLRDG HSFATYFLSY AVLCEWLSPA GHSRPDVPV LVAGGCAGVL AWAVATPMDV IKSRLQADGQ GQRRYRGLLH CMVTSVREEG PRVLFKGLVL NCCRAFPVNM VVFVAYEAVL RLARGLLT 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)
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Grade:	custom-made
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Target Details

Target:	SLC25A47
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Alternative Name:	SLC25A47 (SLC25A47 Products)
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Background:	Solute carrier family 25 member 47 (Hepatocellular carcinoma down-regulated mitochondrial carrier protein) (Mitochondrial NAD(+) transporter SLC25A47),FUNCTION: Mitochondrial NAD(+) transporter that acts as a 'metabolic gate' in hepatic lipogenesis. Provides NAD(+) substrate to mitochondrial SIRT3 deacetylase and enables its NAD(+)-dependent activities in mitochondrial energy metabolism. This triggers downstream activation of PRKAA1/AMPK-alpha signaling cascade that negatively regulates sterol regulatory element-binding protein (SREBP) transcriptional activities and ATP-consuming lipogenesis to restore cellular energy balance. May transport other mitochondrial metabolites having an aromatic nucleotide and phosphate groups, such as acetyl-CoA. Does not transport amino acids. The transport mechanism remains to be elucidated. {ECO:0000250 UniProtKB:Q6IS41, ECO:0000269 PubMed:36804859}.
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Molecular Weight:	33.4 kDa
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UniProt:	Q6Q0C1
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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.

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
