

Datasheet for ABIN7555426  
**SLC27A6 Protein (AA 1-619) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC27A6
Protein Characteristics:	AA 1-619
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC27A6 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SLC27A6 Protein expressed in mammalian cells.
Sequence:	<p>MLLSWLTVLG AGMVVLHFLQ KLLFPYFWD DFWFVLKVVLI IIRLKKYEKR GELVTVLDFK LSHAKRQPRK PFIIEGDIY TYQDVDRSS RVAHVFLNHS SLKKGDTVAL LMSNEPDFVH VWFLGLAKLGC VVAFLNTNIR SNSLLNCIRA CGPRALVGA DLLGTVEEIL PSLSENISVW GMKDSVPQGV ISLKEKLSTS PDEPVPRSHH VVSLKSTCL YIFTSGTTGL PKAAVISQLQ VLRGSAVLWA FGCTAHDIVY ITLPLYHSSA AILGISGCV E LGATCVLKKK FSASQFWSDC KKYDVTVFQY IGE LCRYLCK QSKREGEKDH KVRLAIGNGI RSDVWREFLD RFGNIKVCEL YAATESSISF MNYTGRIGAI GRTNLFYKLL STFDLIKYDF QKDEPMRNEQ GWCIVHKKGE PGLLISR VNA KNPFFGYAGP YKHTKDKLLC DVFKKGDVYL NTGDLIVQDQ DNFLYFWDRT GDTRFWKGEN VATTEVADVI GMLDFIQEAN VYGV AISGYE GRAGMASIIL KPNTSLDLEK VYEQVVTFLP AYACPRFLRI QEKMEATGTF KLLKHQLVED GFNPLKISEP LYFMDNLKKS YVLLTRELYD QIMLGEIKL <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</b></p>

## Product Details

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**another tag necessary. In case you have a special request, please contact us.**

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**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.

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**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.

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**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

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**Target:** SLC27A6

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**Alternative Name:** SLC27A6 ([SLC27A6 Products](#))

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**Background:** Long-chain fatty acid transport protein 6 (FATP-6) (Fatty acid transport protein 6) (Arachidonate--CoA ligase) (EC 6.2.1.15) (Fatty-acid-coenzyme A ligase, very long-chain 2) (Long-chain-fatty-acid--CoA ligase) (EC 6.2.1.3) (Solute carrier family 27 member 6) (Very long-chain acyl-CoA synthetase homolog 1) (VLCSH1) (hVLCS-H1) (EC 6.2.1.-),FUNCTION: Mediates the import of long-chain fatty acids (LCFA) into the cell by facilitating their transport at the plasma membrane (PubMed:12556534). Also functions as an acyl-CoA ligase catalyzing the ATP-dependent formation of fatty acyl-CoA using LCFA and very-long-chain fatty acids (VLCFA) as substrates (By similarity). Plays a pivotal role in regulating available LCFA substrates from exogenous sources in tissues undergoing high levels of beta-oxidation such as the heart (PubMed:12556534). {ECO:0000250|UniProtKB:E9Q9W4, ECO:0000269|PubMed:12556534}.

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## Target Details

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Molecular Weight: 70.1 kDa

UniProt: [Q9Y2P4](#)

## Application Details

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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

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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