

Datasheet for ABIN7550023

SLC25A21 Protein (AA 1-299) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC25A21 (Slc25a21)
Protein Characteristics:	AA 1-299
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC25A21 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC25A21 Protein expressed in mammalian cells.
Sequence:	<p>MSAKPEVSLV REASRQIVAG GSAGLVEICL MHPLDVVKTR FQIQRCDTP NSYKSLVDSF RMIFQMEGLF GFYKGLPPI LAETPKRAVK FFTFEQYKKL LGYVSLSPAL TFAIAGLGSG LTEAIVVNPV EWKVGLQAN RNTFAEQPST VGYARQIIKK EGWGLQGLNK GLTATLGRHG VFNMVYFGFY YNVKNMIPVN KDPILEFWRK FGIGLLSGTI ASVINIPFDV AKSRIQGPQP VPGEIKYRTC FKTMATVYQE EGILALYKGL LPKIMRLGPG GAVMLLVY EY TYSWLQENW</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>
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:	SLC25A21 (Slc25a21)
Alternative Name:	SLC25A21 (Slc25a21 Products)
Background:	<p>Mitochondrial 2-oxodicarboxylate carrier (ODC) (Mitochondrial 2-oxoadipate carrier) (Solute carrier family 25 member 21),FUNCTION: Transports dicarboxylates across the inner membranes of mitochondria by a counter-exchange mechanism (PubMed:11083877). Can transport 2-oxoadipate (2-oxohexanedioate), 2-oxoglutarate, adipate (hexanedioate), glutarate, and to a lesser extent, pimelate (heptanedioate), 2-oxopimelate (2-oxoheptanedioate), 2-aminoadipate (2-aminohexanedioate), oxaloacetate, and citrate (PubMed:11083877). Plays a central role in catabolism of lysine, hydroxylysine, and tryptophan, by transporting common metabolite intermediates (such as 2-oxoadipate) into the mitochondria, where it is converted into acetyl-CoA and can enter the citric acid (TCA) cycle (Probable).</p> <p>{ECO:0000269 PubMed:11083877, ECO:0000305 PubMed:11083877, ECO:0000305 PubMed:29517768}.</p>
Molecular Weight:	33.3 kDa
UniProt:	Q9BQT8

Target Details

Pathways: [SARS-CoV-2 Protein Interactome](#)

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