

[Go to Product page](#)

Datasheet for ABIN7561825

**SLC25A10 Protein (AA 1-287) (His tag)**

## Overview

Quantity:	1 mg
Target:	SLC25A10
Protein Characteristics:	AA 1-287
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC25A10 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Slc25a10 Protein expressed in mammalian cells.
Sequence:	MAEARASRWY FGGLASCGAA CCTHPLDLLK VHLQTQQEVK LRMTGMALQV VRTDGFLALY NGLSASLCRQ MTYSLTRFAI YETMRDYMTK DSQGPLPFYN KVLLGGISGL TGGFVGT LVNVRMQNDM KLPPSQRRNY SHALDGLYRV AREESLRKLF SGATMASSRG ALVTVGQLSC YDQAKQLVLS TGYLSDNIFT HFVSSFIAGG CATFLCQPLD VLKTRLMNSK GEYQGVFHCA METAKLGPQA FFKGLFPAGI RLIPHVLTF MFLEQLRKHF GIKVPTT <b>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.</b>
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

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- 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:	SLC25A10
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Alternative Name:	Slc25a10 ( <a href="#">SLC25A10 Products</a> )
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Background:	Mitochondrial dicarboxylate carrier (DIC) (Solute carrier family 25 member 10),FUNCTION: Catalyzes the electroneutral exchange or flux of physiologically important metabolites such as dicarboxylates (malonate, malate, succinate), inorganic sulfur-containing anions, and phosphate, across mitochondrial inner membrane (PubMed:33746082). Plays an important role in gluconeogenesis, fatty acid metabolism, urea synthesis, and sulfur metabolism, particularly in liver, by supplying the substrates for the different metabolic processes (PubMed:33746082, PubMed:16027120, PubMed:30943427). Regulates fatty acid release from adipocytes, and contributes to systemic insulin sensitivity (PubMed:33746082). {ECO:0000269 PubMed:16027120, ECO:0000269 PubMed:30943427, ECO:0000269 PubMed:33746082}.
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Molecular Weight:	31.7 kDa
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UniProt:	<a href="#">Q9QZD8</a>
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Pathways:	<a href="#">Monocarboxylic Acid Catabolic Process, Dicarboxylic Acid Transport</a>
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## 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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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