

Datasheet for ABIN7550476

SLC25A15 Protein (AA 1-301) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC25A15
Protein Characteristics:	AA 1-301
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC25A15 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SLC25A15 Protein expressed in mammalien cells.
Sequence:	<p>MKSNPAIQAA IDLTAGAAGG TACVLTGQPF DTMKVKMQTF PDLYRGLTDC CLKTYSQVGF RGFYKGTSPA LIANIAENSV LFMICYGFCQQ VVRKVAGLDK QAKLSDLQNA AAGSFASAFA ALVLCPTELV KCRLQTM YEM ETSGKIAKSQ NTVWSVIKSI LRKDGPLGFY HGLSSTLLRE VPGYFFFFGG YELSRFFAS GRSKDELGPV PLMLSGGVGG ICLWLAVYPV DCIKSRIQVL SMSGKQAGFI RTFINVKNE GITALYSLK PTMIRAFPAN GALFLAYEYS RKLMMNQLEA Y</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>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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, Western Blot
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Grade:	custom-made
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Target Details

Target:	SLC25A15
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Alternative Name:	SLC25A15 (SLC25A15 Products)
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Background:	Mitochondrial ornithine transporter 1 (Solute carrier family 25 member 15),FUNCTION: Mitochondrial ornithine-citrulline antiporter (PubMed:12807890, PubMed:22262851) (Probable). Catalyzes the exchange between cytosolic ornithine and mitochondrial citrulline plus an H(+), the proton compensates the positive charge of ornithine thus leading to an electroneutral transport. Plays a crucial role in the urea cycle, by connecting the cytosolic and the intramitochondrial reactions of the urea cycle (PubMed:12807890, PubMed:22262851) (Probable). Lysine and arginine are also transported by the antiport mechanism (PubMed:12807890) (Probable). In addition, catalyzes an electroneutral exchange of ornithine or lysine for H(+), a reaction driven by the pH gradient across the inner membrane (By similarity). {ECO:0000250 UniProtKB:A0A0G2K309, ECO:0000269 PubMed:12807890, ECO:0000269 PubMed:22262851, ECO:0000305 PubMed:10369256, ECO:0000305 PubMed:19242930, ECO:0000305 PubMed:24721342}.
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Molecular Weight:	32.7 kDa
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UniProt:	Q9Y619
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Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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
