

Datasheet for ABIN7544952

SLC25A14 Protein (AA 1-325) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC25A14
Protein Characteristics:	AA 1-325
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC25A14 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC25A14 Protein expressed in mammalian cells.
Sequence:	MGIFPGIILI FLRVKFATAA VIVSGHQKST TVSHEMSGLN WKPFVYGGGLA SIVAEFGTFP VDLTKTRLQV QGQSIDARFK EIKYRGMFHA LFRICKEEGV LALYSGIAPA LLRQASYGTI KIGIYQSLKR LFVERLEDET LLINMICGVV SGVISSTIAN PTDVLKIRMQ AQSLSFQGSM IGSFIDIYQQ EGTRGLWRGV VPTAQRAAIV VGVELPVYDI TTKHLILSGM MGDILTTHFV SSFTCGLAGA LASNPVDVVR TRMMNQRAIV GHVDLYKGTV DGILKMWKHE GFFALYKGFV PNWLRLGPWN IIFFITYEQL KRLQI 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)
Grade:	custom-made

Target Details

Target:	SLC25A14
Alternative Name:	SLC25A14 (SLC25A14 Products)
Background:	<p>Brain mitochondrial carrier protein 1 (BMCP-1) (Mitochondrial uncoupling protein 5) (UCP 5) (Solute carrier family 25 member 14),FUNCTION: Transports inorganic anions (sulfate, sulfite, thiosulfate and phosphate) and, to a lesser extent, a variety of dicarboxylates (e.g. malonate, malate and citramalate) and, even more so, aspartate and glutamate and tricarboxylates (PubMed:31356773). May catalyze the export of sulfite and thiosulfate (the hydrogen sulfide degradation products) from the mitochondria, thereby modulating the level of the hydrogen sulfide (Probable). Also can mediate a very low unidirectional transport of anions including sulfate, phosphate, (S)-malate, citrate, L-aspartate and L-glutamate (PubMed:31356773). Maintains oxidative balance (through uncoupling activities) and ATP production (by modifying mitochondrial membrane potential) (PubMed:20600837). Is able to transport protons across lipid membranes (PubMed:22524567, PubMed:26182433). Also exhibits transmembrane chloride transport activity to a lesser extent(PubMed:22524567, PubMed:26182433). May modify mitochondrial respiratory efficiency and mitochondrial oxidant production (By similarity). {ECO:0000250 UniProtKB:Q9Z2B2, ECO:0000269 PubMed:20600837,</p>

Target Details

ECO:0000269|PubMed:22524567, ECO:0000269|PubMed:31356773,
ECO:0000305|PubMed:31356773}.

Molecular Weight: 36.2 kDa

UniProt: [O95258](#)

Pathways: [Proton Transport](#)

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