

Datasheet for ABIN7544951

SLC25A27 Protein (AA 1-323) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC25A27
Protein Characteristics:	AA 1-323
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC25A27 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC25A27 Protein expressed in mammalian cells.
Sequence:	MSVPEEEERL LPLTQRWPRA SKFLLSGCAA TVAELATFPL DLTKTRLQMQ GEALARLGD GARESAPYRG MVRTALGII EEFLLKLWQG VTPAIYRHVV YSGGRMVTYE HLREVVFGKS EDEHYPLWKS VIGGMMAGVI GQFLANPTDL VKVQMOMEK RKLEGKPLRF RGVHHFAKI LAEGGIRGLW AGWVPNIQRA ALVNMGDLTT YDVKHYLVL NTPLEDNIMT HGLSSLCSGL VASILGTPAD VIKSRIMNQP RDKQGRGLLY KSSTDCLIQA VQGEFMSLY KGFLPSWLRM TPWSMVFWLT YEKIREMSGV SPF 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:	SLC25A27
Alternative Name:	SLC25A27 (SLC25A27 Products)
Background:	Mitochondrial uncoupling protein 4 (UCP 4) (Solute carrier family 25 member 27),FUNCTION: Facilitates proton transport across the inner mitochondrial membrane and may dissipate excessive proton gradient associated with oxidative and metabolic stress at neuronal synapses. Regulates glutamate-induced proton conductance in astrocytes, shifting the energy metabolism toward aerobic glycolysis and lactate transfer to neurons for ATP synthesis. Can transport chloride ions with lower efficiency. The transport mechanism remains to be elucidated. {ECO:0000250 UniProtKB:Q9D6D0, ECO:0000269 PubMed:10025957, ECO:0000269 PubMed:22524567, ECO:0000269 PubMed:26182433}.
Molecular Weight:	36.1 kDa
UniProt:	O95847

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

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
