

[Go to Product page](#)

Datasheet for ABIN7555400

SLC25A33 Protein (AA 1-321) (His tag)

Overview

Quantity:	1 mg
Target:	SLC25A33
Protein Characteristics:	AA 1-321
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC25A33 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC25A33 Protein expressed in mammalian cells.
Sequence:	MATGGQQKEN TLLHLFAGGC GGTVGAIFTC PLEVIKTRLQ SSRLALRTVY YPQVHLGTIS GAGMVRPTSV TPGLFQVLKS ILEKEGPKSL FRGLGPNLVG VAPSRVYFA CYSKAKEQFN GIFVPNSNIV HIFSAGSAAF ITNSLMNPIW MVKTRMQLEQ KVRGSKQMNT LQCARYVYQT EGIRGFYRGL TASYAGISET IICFAIYESL KKYLKEAPLA SSANGTEKNS TSFFGLMAAA ALSKGCASCI AYPHEVIRTR LREEGTKYKS FVQTARLVFR EEGYLAFYRG LFAQLIRQIP NTAIVLSTYE LIVYLLEDRT Q 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)
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Grade:	custom-made
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Target Details

Target:	SLC25A33
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Alternative Name:	SLC25A33 (SLC25A33 Products)
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Background:	Solute carrier family 25 member 33 (Bone marrow stromal cell mitochondrial carrier protein) (BMSC-MCP) (HuBMSC-MCP) (Protein PNC1),FUNCTION: Mitochondrial transporter that imports/exports pyrimidine nucleotides into and from mitochondria. Selectively transports uridine, thymidine, guanosine, cytosine and inosine (deoxy)nucleoside di- and triphosphates by an antiport mechanism (PubMed:25320081). May import (deoxy)nucleoside triphosphates in exchange for intramitochondrial (deoxy)nucleoside diphosphates, thus providing precursors necessary for de novo synthesis of mitochondrial DNA and RNA while exporting products of their catabolism (PubMed:25320081). Participates in mitochondrial genome maintenance, regulation of mitochondrial membrane potential and mitochondrial respiration (PubMed:20453889). Upon INS or IGF1 stimulation regulates cell growth and proliferation by controlling mitochondrial DNA replication and transcription, the ratio of mitochondria-to nuclear-encoded components of the electron transport chain resulting in control of mitochondrial ROS production (PubMed:20453889, PubMed:17596519). Participates in dendritic cell endocytosis and may associate with mitochondrial oxidative phosphorylation
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Target Details

(PubMed:14715278). {ECO:0000269|PubMed:14715278, ECO:0000269|PubMed:17596519, ECO:0000269|PubMed:20453889, ECO:0000269|PubMed:25320081}.

Molecular Weight: 35.4 kDa

UniProt: [Q9BSK2](#)

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