

Datasheet for ABIN7555416
SLC25A24 Protein (AA 1-477) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC25A24
Protein Characteristics:	AA 1-477
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC25A24 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC25A24 Protein expressed in mammalian cells.
Sequence:	<p>MLRWLRDFVL PTAACQDAEQ PTRYETLFQA LDRNGDGVVD IGELQEGLRN LGIPLGQDAE EKIFTTGDVN KDGKLDFFEF MKYBKDHEKK MKLAFKSLDK NNDGKIEASE IVQSLQTLGL TISEQQAELI LQSIDVDGTM TVDWNWRDY FLNPNVTDIE EIIRFWKHST GIDIGDSLTI PDEFTEDKKG SGQWWRQLLA GGIAGAVSRT STAPLDRLKI MMQVHGSKSD KMNIFGGFRQ MVKEGGIRSL WRNGTNIK IAPETAVKFW AYEQYKLLT EEGQKIGTFE RFISGSMAGA TAQTFIYPME VMKTRLAVGK TGQYSGIYDC AKKILKHEGL GAFYKGYVFN LLGIIPYAGI DLAVYELLKS YWLDNFAKDS VNPQVMVLLG CGALSSTCGQ LASYPLALVR TRMQAQAMLE GSPQLNMVGL FRRISKEGI PGLYRGITPN FMKVLPAVGI SYVVYENMKQ TLGVTQK 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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

Characteristics:

Key Benefits:

- 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:

SLC25A24

Alternative Name:

SLC25A24 ([SLC25A24 Products](#))

Background:

Mitochondrial adenyl nucleotide antiporter SLC25A24 (Mitochondrial ATP-Mg/Pi carrier protein 1) (Mitochondrial Ca(2+)-dependent solute carrier protein 1) (Short calcium-binding mitochondrial carrier protein 1) (SCaMC-1) (Solute carrier family 25 member 24),FUNCTION: Electroneutral antiporter that mediates the transport of adenyl nucleotides through the inner mitochondrial membrane. Originally identified as an ATP-magnesium/inorganic phosphate antiporter, it also acts as a broad specificity adenyl nucleotide antiporter. By regulating the mitochondrial matrix adenyl nucleotide pool could adapt to changing cellular energetic demands and indirectly regulate adenyl nucleotide-dependent metabolic pathways (PubMed:15123600, PubMed:22015608). In vitro, a low activity is also observed with guanyl and pyrimidine nucleotides (PubMed:15123600). May play a role in protecting cells against oxidative stress-induced cell death, by buffering calcium levels in the mitochondrial matrix through the formation of calcium-phosphate precipitates (PubMed:22015608,

Target Details

PubMed:29100093). {ECO:0000269|PubMed:15123600, ECO:0000269|PubMed:22015608, ECO:0000269|PubMed:29100093}.

Molecular Weight: 53.4 kDa

UniProt: [Q6NUK1](#)

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