

Datasheet for ABIN7555394

**SLC25A23 Protein (AA 1-468) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	SLC25A23
Protein Characteristics:	AA 1-468
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC25A23 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SLC25A23 Protein expressed in mammalian cells.
Sequence:	<p>MRGSPGDAER RQRWGRLFEE LDSNKDGRVD VHELRLQGLAR LGGGNPDPGA QQGISSEGDA DPDGGLDLEE FSRYLQEREQ RLLLMFHSLD RNQDGHIDVS EIQQSFRALG ISISLEQAEK ILHSMDRDGT MTIDWQEWDR HFLLHSENV EDVLYFWKHS TVLDIGECLT VPDEFKQEK LTGMWWKQLV AGAVAGAVSR TGTAPLDRLK VFMQVHASKT NRLNILGGLR SMVLEGGIRS LWRNGINVL KIAPESAIKF MAYEQIKRAI LGQQETLHVQ ERFVAGSLAG ATAQTIIPM EVLKRTLTLR RTGQYKLLD CARRILERE PRAFYRGYLP NVLGIIPYAG IDLAVVETLK NWWLQQYSHD SADPGILVLL ACGTISSTCG QIASYPLALV RTRMQAQASI EGGPQLSMLG LLRHLSQEG MRGLYRGIAP NFMKVIPAVS ISYVVYENMK QALGVTSR <b>Sequence without tag.</b></p> <p><b>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.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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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

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### Target:

SLC25A23

### Alternative Name:

SLC25A23 ([SLC25A23 Products](#))

### Background:

Mitochondrial adenyl nucleotide antiporter SLC25A23 (Mitochondrial ATP-Mg/Pi carrier protein 2) (Short calcium-binding mitochondrial carrier protein 3) (SCaMC-3) (Solute carrier family 25 member 23),FUNCTION: Electroneutral antiporter that mediates the transport of adenine 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 adenine nucleotide pool could adapt to changing cellular energetic demands and indirectly regulate adenine nucleotide-dependent metabolic pathways (PubMed:15123600). Also acts as a regulator of mitochondrial calcium uptake and can probably transport trace amounts of other divalent metal cations in complex with ATP (PubMed:24430870, PubMed:28695448). In vitro, a low activity is also observed with guanyl and pyrimidine nucleotides (PubMed:15123600). {ECO:0000269|PubMed:15123600, ECO:0000269|PubMed:24430870, ECO:0000269|PubMed:28695448}.

## Target Details

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Molecular Weight: 52.4 kDa

UniProt: [Q9BV35](#)

## Application Details

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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

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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