

[Go to Product page](#)

Datasheet for ABIN7557935

**SLC25A47 Protein (AA 1-310) (His tag)**

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | SLC25A47  |
| Protein Characteristics:      | AA 1-310  |
| Origin:                       | Mouse   |
| Source:                       | HEK-293 Cells                                   |
| Protein Type:                 | Recombinant                                     |
| Purification tag / Conjugate: | This SLC25A47 protein is labelled with His tag. |

## Product Details

|                  |   |
|------------------|---|
| Purpose:         | Custom-made recombinant Slc25a47 Protein expressed in mammalian cells.  |
| Sequence:        | MDFVAGAIGG VCGVAVGYPL DTVKVRIQTE AKYAGIWHCI RDTYRQERVW GFYRGLSLPV<br>CTVSLVSSVS FGTYHHCLAH ICRFRYGSTD AKPTKADITL SGCASGLVRV FLTSPTEVAK<br>VRLQTQTQAQ TQRRSSASW TSGAPALCPT PTACLEPRPK YSGPLHCLVT VAREEGLRGL<br>YKGSSALLLR EGHSFATYFL SYAMLCEWLT PAGHSQPDVL GVLVAGGCAG VLAWAVATPM<br>DVIKSRLQAD GQGQHRYSRGL LHCVVTSVRE EGPRVLFKGL ALNCCRAFPV NMVVFVAYEA<br>VLRLTQSLLT <b>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.</b> |
| 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: | SLC25A47 |
|---------|----------|

---

|                   |  |
|-------------------|--|
| Alternative Name: | Slc25a47 ( <a href="#">SLC25A47 Products</a> ) |
|-------------------|--|

---

|             |   |
|-------------|---|
| Background: | Solute carrier family 25 member 47 (Hepatocellular carcinoma down-regulated mitochondrial carrier homolog) (Mitochondrial NAD(+) transporter SLC25A47),FUNCTION: Mitochondrial NAD(+) transporter that acts as a 'metabolic gate' in hepatic lipogenesis. Provides NAD(+) substrate to mitochondrial SIRT3 deacetylase and enables its NAD(+)-dependent activities in mitochondrial energy metabolism. This triggers downstream activation of PRKAA1/AMPK-alpha signaling cascade that negatively regulates sterol regulatory element-binding protein (SREBP) transcriptional activities and ATP-consuming lipogenesis to restore cellular energy balance. May transport other mitochondrial metabolites having an aromatic nucleotide and phosphate groups, such as acetyl-CoA. Does not transport amino acids. The transport mechanism remains to be elucidated. {ECO:0000269 PubMed:36804859}. |
|-------------|---|

---

|                   |          |
|-------------------|----------|
| Molecular Weight: | 33.6 kDa |
|-------------------|----------|

---

|          |                        |
|----------|------------------------|
| UniProt: | <a href="#">Q6IS41</a> |
|----------|------------------------|

---

## 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

---