

# Recombinant Human SLC25A42 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** SLC25A42-2251H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | SLC25A42 MS Standard C13 and N15-labeled recombinant protein (NP_848621) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | This gene encodes a solute carrier family 25 protein. Solute carrier family 25 proteins are localized to mitochondria and play critical roles in the transport of molecules across the inner mitochondrial membrane. The encoded protein is a mitochondrial transporter for coenzyme A (CoA) and adenosine 3',5'-diphosphate.                                                        |
| <b>Molecular Mass</b>   | 35.4 kDa                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MGNGVKEGPVRLHEDAEAVLSSSVSSKRDHRQVLSSLLPGALAGALAKTAVAPLDR<br>TKIIFQVSSKRFSAKEAFRVLYYTYLNEGFLSLWRGNSATMVRVVPYAAIQFSAHEEY<br>KRILGSYYGFRGEALPPWPRLFAGALAGTTAASLTYPDLVRARMAVTPKEMYSNIF<br>HVFIRISREEGLKTLYHGFMPTVLGVIPYAGLSFFTYETLKSLHREYSGRRQPYPFER<br>MIFGACAGLIGQSASYPLDVVRRRMQTAGVTGYPRASIARTLRTIVREEGAVRGLYK<br>GLSMNWVKGPIAVGISFTTFDLMQIMLRHLQSTRTRPLEQKLISEEDLAANDILDYKD<br>DDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                          |

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

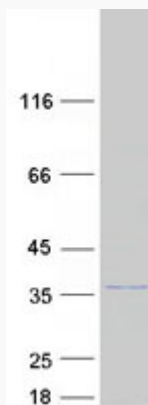
## GENE INFORMATION

|                        |                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | SLC25A42 solute carrier family 25 member 42 [ Homo sapiens (human) ]                                   |
| <b>Official Symbol</b> | SLC25A42                                                                                               |
| <b>Synonyms</b>        | SLC25A42; solute carrier family 25, member 42; solute carrier family 25 member 42; MGC26694; FLJ54826; |
| <b>Gene ID</b>         | 284439                                                                                                 |
| <b>mRNA Refseq</b>     | NM_178526                                                                                              |
| <b>Protein Refseq</b>  | NP_848621                                                                                              |
| <b>MIM</b>             | 610823                                                                                                 |
| <b>UniProt ID</b>      | Q86VD7                                                                                                 |

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**SDS-PAGE**

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