

# Recombinant Full Length Mouse Mitochondrial Glutamate Carrier 1(Slc25A22) Protein, His-Tagged

**Cat. No.** RFL3179MF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Mouse Mitochondrial glutamate carrier 1(Slc25a22) Protein (Q9D6M3) (1-323aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                 |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Full Length (1-323)                                                                                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MADKQISLPAKLINGGIAGLIGVTCVFPIDLAKTRLQNQQNGQRMYSMSDCLIKTIRS<br>E GYFGMYRGA AVNLT LVTPEKAIKLAANDFFRHQLSKDGQKLTLPKEMLAGCGAGT<br>CQVIV TTPMEMLKIQLQDAGRIAAQRKILAAQAQLSAQGGAQPSVEAPAPPRPTATQ<br>LTRDLLRN HGIAGLYKGLGATLLRDVPFSIVYFPLFANLNQLGRPSSEEKSPFYVSFL<br>AGCVAGSAAA VAVNPCDVVKTRLQSLERGVNEDTYSGLDCARKIWRHEGPSAFL<br>KGAYCRALVIAPLFG IAQVVYFLGIAESLLGLLQEPQA |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                  |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                          |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid                                                                                                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

repeated freeze-thaw cycles.

**Storage Buffer**

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name**

Slc25a22

**Synonyms**

Slc25a22; Gc1; Mitochondrial glutamate carrier 1; GC-1; Glutamate/H(+ symporter 1; Solute carrier family 25 member 22

**UniProt ID**

[Q9D6M3](#)

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