

# 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 E GYFGMYRGA AVNLT LVTPEKAIKLAANDFFRHQLSKDGQKLTLPKEMLAGCGAGT CQVIV TTPMEMLKIQLQDAGRIAAQRKILAAQAQLSAQGGAQPSVEAPAPPRPTATQ LTRDLLRN HGIAGLYKGLGATLLRDVPFSIVYFPLFANLNQLGRPSSEEKSPFYVSFL AGCVAGSAAA VAVNPCDVVKTRLQSLERGVNEDTYSGFDCARKIWRHEGPSAFL 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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