

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

Cat. No. RFL9719HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human Mitochondrial glutamate carrier 1(SLC25A22) Protein (Q9H936) (1-323aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Full Length (1-323)
Form	Lyophilized powder
AA Sequence	MADKQISLPAKLINGGIAGLIGVTCVFPIDLAKTRLQNQQNGQRVYTSMSDCLIKTVR SE GYFGMYRGA AVNLT LVTPEKAIKLAANDFFRHQLSKDGQKLTLLKEMLAGCGAG TCQVIV TTPMEMLKIQLQDAGRIAAQRKILAAQGQLSAQGGAQPSVEAPAAPRPTAT QLTRDLLRS RGIAGLYKGLGATLLRDVPFSVVYFPLFANLNQLGRPASEEKSPFYVS FLAGCVAGSAAA VAVNPCDVVKTRLQSLQRGVNEDTYS GILDCARKILRHEGPSAF LKGAYCRALVIAPLFG IAQVVYFLGIAESLLGLLQDPQA
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid

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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 [Q9H936](#)

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