

Mouse GLO1 Recombinant Protein



RPPB1696

Product Information Protein Information

Product SKU:

RPPB1696

Accession:

Q9CPU0

Host:

Sf9, Baculovirus cells.

Protein description:

GLO1 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 192 amino acids (1-184a.a.) and having a molecular mass of 21.8kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). GLO1 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Lactoylglutathione lyase, Aldoketomutase, Glyoxalase I, Glx I, Ketone-aldehyde mutase, Methylglyoxalase, S-D-lactoylglutathione methylglyoxal lyase.

Formulation:

GLO1 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MAEPQPASSG LTDETAFFSC SDPDPSTKDF LLQQTMLRIK DPKKSLDFYT RVLGLTLLQK LDFPAMKFSL
YFLAYEDKND IPKDKSEKTA WTFSRKATLE LTHNWGTEDD ETQSYHNGNS DPRGFGHIGI AVPDVYSACK
RFEELGVKFV KKPDDGKMKG LAFIQDPDGY WIEILNPNI ATIIIEHHHH HH.

Biological Activity:

Specific activity is > 210 units/mg, and is defined as the amount of enzyme that will form 1.0 μmol of S-lactoylglutathione from methylglyoxal and reduced glutathione per minute at pH 6.5 at 25C.