

RPPB1693

Product Information Protein Information

Product SKU:

RPPB1693

Accession:

P0A9S5

Host:

Escherichia Coli.

Protein description:

GLDA E.coli Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 390 amino acids (1-367 a.a) and having a molecular mass of 41.1kDa. GLDA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

ECK3937, JW5556, Glycerol dehydrogenase, GDH, GLDH, b3945.

Formulation:

GLDA protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4) 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:

MGSSHHHHHH SGLVPRGSH MGSMDRIIQS PGKYIQGADV INRLGEYLKP LAERWLWVGD KFVLGFAQST
VEKSFK DAGL VVEIAPFGGE CSQNEIDRLR GIAETAQCGA ILGIGGGKTL DTAKALAHFM GVPVAIAPTI
ASTDAPCSAL SVIYTDEGEF DRYLLPNNP NMVIVDTKIV AGAPARLLAA GIGDALATWF EARACSRSGA
TTMAGGKCTQ AALALAE LCY NTLLEEGEKA MLAAEQHVVT PALERVIEAN TYLSGVGFES GGLAAAHAVH
NGLTAIPDAH HYYHGEK VAF GTLTQLVLEN APVEEITVA ALSHAVGLPI TLAQLDIKED VPAKMRIVAE
AACAEGETIH NMPGGATPDQ VYAALLVADQ YGQRFLQEW E.

Biological Activity:

Specific activity: > 14 Units/ml. One unit will oxidize 1.0 umole of glycerol to dihydroxyacetone per minute at pH 8.0 at 25C.