

RPPB1395

Product Information Protein Information

Product SKU:

RPPB1395

Accession:

P09972

Host:

Escherichia Coli.

Protein description:

ALDOC Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 364 amino acids (1-364 a.a.) and having a molecular mass of 39.4kDa. The ALDOC is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear solution.

Synonyms:

Aldolase, Fructose-Bisphosphate C, Aldolase C, Fructose-Bisphosphate, Brain-Type Aldolase, EC 4.1.2.13, ALDC, Fructose-1,6-Bisphosphate Triosephosphate Lyase, Fructose-Bisphosphate Aldolase C, Fructoaldolase C, Aldolase 3, ALDOC .

Formulation:

The ALDOC solution (1mg/ml) contains 20% glycerol, 20mM Tris-HCl buffer (pH 8.0) , 2mM DTT & 0.1M NaCl.

Purity:

Greater than 90.0% 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:

MPHSYPALSA EQKELSDIA LRIVAPGKGI LAADESVGSM AKRLSQIGVE NTEENRRLYR QVLFSAADDRV
KKCIGGVVIF HETLYQKDDN GVPFVRTIQD KGIVVGIKVD KGVVPLAGTD GETTTQGLDG LSERCAQYKK
DGADFAKWRC VLKISERTPS ALAILENANV LARYASICQQ NGIVPIVEPE ILPDGDHDLK RCQYVTEKVL
AAVYKALSDH HVYLEGTLK PNMVTPGHAC PIKYTPPEIA MATVTALRRT VPPAVPGVTF LSGGQSEEEA
SFNLNAINRC PLPRPWALTF SYGRALQASA LNAWRGQRDN AGAATEEFIK RAEVNGLAAQ GKYEGSGEDG
GAAAQSLYIA NHAY

Biological Activity:

Specific activity is > 6 units/mg, one unit will convert 1.0 umol of fructose 1,6-diphosphate to dihydroxyacetone phosphate and glyceraldehydes 3- phosphate per minute at pH 7.5 at 37C.