

ALDOC, 1-364aa, Human, E.coli

Cat.NO.: TP01133

3th Edition

Synonyms:Fructose bisphosphate aldolase C , ALDC, ALDC, ALDO C, aldolase, ALDOC_HUMAN, Aldolase 3, Aldolase C Fructose bisphosphate Brain type aldolase, Brain-type aldolase Fructoaldolase C.

Description:ALDOC, also as known as fructose biphosphate C, is a member of the class 1 fructose-biphosphate aldolase family. This protein is a ubiquitous enzyme that catalyzes the reversible aldol cleavage of fructose-bisphosphate and fructose 1-phosphate to dihydroxyacetone phosphate and either glyceral-dehyde-3-phosphate or glyceraldehyde, respectively. It is expressed specifically in the hippocampus and Purkinje cells of the brain. Recombinant human ALDOC was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 2mM DTT, 0.1M NaCl

Molecular Weight:39.4kDa (364aa), confirmed by MALDI-TOF

Sequences:

MPHSYPALSAEQKKELSDIALRIVAPGKGILAADESVGSMARKLSQIGVENTEENRRLYRQVLFSADDRVKKCIGGVI
FFHETLYQKDDNGVPFVRTIQDKGIVVGIVKVDKGVVPLAGTDGETTTQGLDGLSERCAQYKKDGADFAKWRCVLKI
SERTPSALAILNANVLARYASICQQNGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTLLKPN
MVTTPGHACPIKYTPPEIAMATVTALRRTVPPAVPGVTFLSGGQSEEEASFNLNAINRCPLRPWALTFSYGRALQAS
ALNAWRGQRDNAGAATEEFIKRAEVNGLAAQGKYEGSGEDGGAAAQSLYIANHAY

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.