

32-6663: ALDOC Mouse

Alternative Name : Aldolase 3, Brain-type aldolase, Scrapie-responsive protein 2, Zebrin II, Aldo3, Scrg2, Fructose-bisphosphate aldolase C, ALDOC.

Description

Source: Escherichia Coli.

Sterile Filtered clear colorless solution.

Aldolase C Fructose-Bisphosphate (ALDOC) belongs to the class I fructose-bisphosphate aldolase family. ALDOC is a glycolytic enzyme which catalyzes the reversible aldol cleavage of fructose-1,6-bisphosphate and fructose 1-phosphate to dihydroxyacetone phosphate and either glyceraldehyde-3-phosphate or glyceraldehydes respectively. ALDOC is expressed exclusively in the hippocampus and Purkinje cells of the brain.

ALDOC Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 387 amino acids (1-363 a.a) and having a molecular mass of 41.9kDa. ALDOC is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 20 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Content : The ALDOC solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 20% glycerol and 1mM DTT.

Storage condition : 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 : MGSSHHHHHH SGLVPRGSH MGSHPHSYP ALSAEQKEL SDIALRIVTP GKGILAADES VGSMAKRLSQ
IGVENTEENR RLYRQVLFS A DDRVKKCIGG VIFFHETLYQ KDDNGVPFVR TIQDKGILVG IKVDKGVVPL
AGTDGETTTQ GLDGLLERCA QYKKGADFA KWRCVLKISD RTPSALAILE NANVLARYAS ICQQNGIVPI
VEPEILPDGD HDLKRCQYVT EKVLAAVYKA LSDHHVYLEG TLLKPNMVTP GHACPIKYSPEEIAMATVTA
LRRTVPPAVP GVTFLSGGQS EEEASLNLNA INRCPLRPW ALTFYGRAL QASALNAWRG QRDNAGAATE
EFIKRAEMNG LAAQGRYEGS GDGGAAAQSL YIANHAY