

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 RLYRQVLFSADDRVKKCIGG 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