

Recombinant Full Length Human ALDOC Protein

Cat. No. ALDOC-26498TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length human ALDOC was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-364 aa
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.
Form	Liquid
AASequence	MPHSYPALSAEQKKELSDIALRIVAPGKGILAADESVGSMARKLSQIGVENTEENRRL YRQVLFSADDRVKKCIGGVIFFHETLYQKDDNGVPFVRTIQDKGIVVGIKVDKGVVPL AGTDGETTTQGLDGLSERCAQYKKGADFAKWRCVLKISERTPSALAIENANVLAR YASICQQNGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTLLKP NMVTPGHACPIKYTPPEIAMATVTALRRTVPPAVPGVTFLSGGQSEEEASFNLNAIN RCPLPRPWALTFSYGRALQASALNAWRGQRDNAGAATEEFIKRAEVNGLAAQGKY EGSGEDGGAAAQSLYIANHAY

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Molecular Mass	39.4 kDa
Purity	> 90% by SDS-PAGE
Application	SDS-PAGE
Note	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Storage Buffer	20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 2mM DTT, 0.1M NaCl
Concentration	1mg/ml (determined by Bradford assay)

GENE INFORMATION

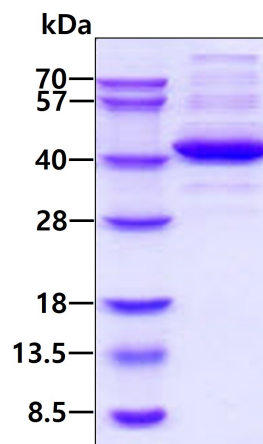
Gene ID	230
Gene Name	ALDOC aldolase C, fructose-bisphosphate [Homo sapiens (human)]
Official Symbol	230
Synonyms	ALDOC; aldolase C, fructose-bisphosphate; fructose-bisphosphate aldolase C; aldolase 3; fructoaldolase C; brain-type aldolase; fructose-1,6-biphosphate triosephosphate lyase; ALDC;
mRNA Refseq	NM_005165
Official Symbol 2	ALDOC

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Gene ID 2	230
Gene Name 2	ALDOC aldolase C, fructose-bisphosphate [Homo sapiens (human)]
mRNA Refseq 2	NM_005165
Protein Refseq 2	NP_005156
MIM 2	103870
UniProt ID 2	P09972

SDS-PAGE


3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.