

Recombinant Full Length Human ALDOC Protein, C-Flag-tagged

Cat. No. ALDOC-831HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ALDOC Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the class I fructose-biphosphate aldolase gene family. Expressed specifically in the hippocampus and Purkinje cells of the brain, the encoded protein is a glycolytic enzyme that catalyzes the reversible aldol cleavage of fructose-1,6-biphosphate and fructose 1-phosphate to dihydroxyacetone phosphate and either glyceraldehyde-3-phosphate or glyceraldehyde, respectively.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	39.3 kDa
AA Sequence	MPHSYPALSAEQKKELSDIALRIVAPGKGILAADESVGSMARLSQIGVENTEENRRL YRQVLFSADDRV KKCIGGVIFFHETLYQKDDNGVPFVRTIQDKGIVVGKVKDKGVVPL AGTDGETTTQGLDGLSERCAQYKK DGADFAKWRCVLKISERTPSALAIENANVLA RYASICQQNGIVPIVEPEILPDGDHDLKRCQYVTEKVL AAVYKALSDHHVYLEGTLLK PNMVTPGHACPIKYTPEEIAMATVTALRRTVPPAVPGVTFLSGGQSEEEA SFNLNAI NRCPLPRPWALTFSYGRALQASALNAWRGQRDNAGAATEEFIKRAEVNGLAAQ GK YEGSGEDG

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	GAAAQSLYIANHAYTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Fructose and mannose metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Pentose phosphate pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	ALDOC aldolase, fructose-bisphosphate C [Homo sapiens (human)]
Official Symbol	ALDOC
Synonyms	ALDC
Gene ID	230
mRNA Refseq	NM_005165.3

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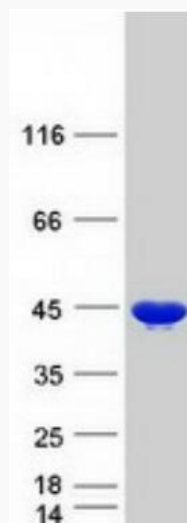
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Protein Refseq NP_005156.1

MIM 103870

UniProt ID P09972



Coomassie blue staining of purified ALDOC protein.

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