

Product datasheet for **TP300333M**

Aldolase C (ALDOC) (NM_005165) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human aldolase C, fructose-bisphosphate (ALDOC), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC200333 protein sequence
Red=Cloning site **Green**=Tags(s)

MPHYPALSAEQKKELSDIALRIVAPGKGIKLADESVMKRLSQIGVENTEENRRLYRQVLFSAADDRV
KKCIGGVIFFHETLYQKDDNGVFPVRTIQDKGIVVGKVDKGVWPLAGTDGETTTQGLDGLSERCAQYKK
DGADFAKWRCVLKISERTPSALAIENANVLARYASICQNGIVPIVEPEILPDGDHDLKRCQYVTEKVL
AAVYKALSDHHVYLEGTLKPNMVTTPGHACPIKYTPPEIAMATVTALRRTVPPAVPGVTFSLGGQSEEEA
SFNLNAINRCPLRPWALTFSYGRALQASALNAWRGQRDNAGAATEEFIKRAEVNGLAAQGYEGSGEDG
GAAAQSLYIANHAY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 39.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_005156](#)

Locus ID: 230



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UniProt ID: [P09972](#), [A0A024QZ64](#)

RefSeq Size: 1665

Cytogenetics: 17q11.2

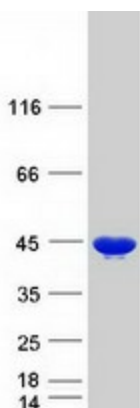
RefSeq ORF: 1092

Synonyms: ALDC

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Pathways: Fructose and mannose metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Pentose phosphate pathway

Product images:



Coomassie blue staining of purified ALDOC protein (Cat# [TP300333]). The protein was produced from HEK293T cells transfected with ALDOC cDNA clone (Cat# [RC200333]) using MegaTran 2.0 (Cat# [TT210002]).