

Product datasheet for PH300333

Aldolase C (ALDOC) (NM_005165) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ALDOC MS Standard C13 and N15-labeled recombinant protein (NP_005156)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200333
Predicted MW:	39.5 kDa
Protein Sequence:	>RC200333 protein sequence Red=Cloning site Green=Tags(s)
	<p>MPHSYPALSAEQKELSDIALRIVAPGKGIILAADESIVGSMKRLSQIGVENTEENRRLYRQVLFSAADDRV KKCIIGGVIFFHETLYQKDDNGVPFVRTIQDKGIVVGIVDKGVVPLAGTDGETTTQGLDGLSERCAQYKK DGADFAKWRVCLKISERTPSALAILNANVLARYASICQNGIVPIVEPEILPDGDHDLKRCQYVTEKVL AAVYKALSDHHVYLEGTLKPNMVTGPHACPIKYTPPEIAMATVTALRRVPPAVPGVTFLSGGQSEEEA SFNLNAINRCPLPRPWALTFSYGRALQASALNAWRGQRDNAGAATEEFIKRAEVNGLAAQKYEKSGEDG GAAAQSLYIANHAY</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_005156</u>
RefSeq Size:	1665
RefSeq ORF:	1092
Synonyms:	ALDC
Locus ID:	230



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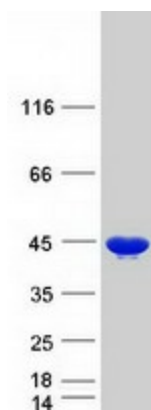
UniProt ID: [P09972](#), [A0A024QZ64](#)

Cytogenetics: 17q11.2

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]).