ALDOC Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	ALDOC, Lysate
Full Product Name	Human ALDOC Protein Lysate
Product Gene Name	ALDOC lysate
Product Synonym Names	ALDOC; ALDC; ALDC
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	39,456 Da
OMIM	103870
3D Structure	ModBase 3D Structure for P09972
Related Product Information for ALDOC lysate	Human ALDOC Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of ALDOC lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ALDOC purchase	MBS137119 is a lysate targeting ALDOC. Also known as Human ALDOC Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ALDOC. It may not necessarily be applicable to this product.

NCBI GI #	4885063
NCBI GeneID	230
NCBI Accession #	NP_005156
UniProt Primary Accession #	P09972
UniProt Secondary Accession #	Q3SYL3; Q6FH94; Q6P0L5; B2R5R3
UniProt Related Accession #	P09972
GenBank Nucleotide #	NM_005165
NCBI Official Full Name	fructose-bisphosphate aldolase C
NCBI Official Synonym Full Names	aldolase, fructose-bisphosphate C
NCBI Official Symbol	ALDOC
NCBI Official Synonym Symbols	ALDC
UniProt Protein Name	Fructose-bisphosphate aldolase C
UniProt Synonym Protein Names	Brain-type aldolase

Protein Family	Fructose-bisphosphate aldolase
UniProt Gene Name	ALDOC
UniProt Synonym Gene Names	ALDC
UniProt Entry Name	ALDOC_HUMAN
NCBI Protein Information	fructose-bisphosphate aldolase C
NCBI Summary for ALDOC	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]
UniProt Comments for ALDOC	ALDOC: 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 type: Carbohydrate Metabolism - glycolysis and gluconeogenesis; Carbohydrate Metabolism - pentose phosphate pathway; Lyase; Carbohydrate Metabolism - fructose and mannose; EC 4.1.2.13 Chromosomal Location of Human Ortholog: 17cen-q12 Cellular Component: cytoskeleton; mitochondrion; axon; cytosol Molecular Function: protein binding; cytoskeletal protein binding; fructose-bisphosphate aldolase activity Biological Process: organ regeneration; glycolysis; apoptosis; glucose metabolic process; pathogenesis; response to organic nitrogen; response to organic cyclic substance; protein homotetramerization; gluconeogenesis; fructose 1,6-bisphosphate metabolic process; epithelial cell differentiation; carbohydrate metabolic process; response to hypoxia; protein heterotetramerization; aging; fructose metabolic process
Research Articles on ALDOC	**1.** ALDOC, Aldolase A (ALDOA) and Aldolase B (ALDOB) activate Wnt signaling.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/lysate/aldoc/137119