

Recombinant Mouse DLAT Protein (86-642 aa), His-tagged

Cat. No. DLAT-2218M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse DLAT Protein (86-642 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length of Mature Protein.
Species	Mouse
Source	Yeast
ProteinLength	86-642 aa
Description	The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO ₂ , and thereby links the glycolytic pathway to the tricarboxylic cycle.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	60.8 kDa
AA Sequence	SLPPHQKVPLPSLSPTMQAGTIARWEKKEGEKISEGDLIAEVETDKATVGFESLEEC YMAKILVPEGTRDVPVGSIIICITVEKPQDIEAFKNYTLDLAAAAAPQAAPAAAPAPAAA PAAPSASAPGSSYPHMQIVLPALSPTMTMGTVQRWEKKVGEKLSEGDLLAEIETD KATIGFEVQEEGYLAKILVPEGTRDVLGAPLCIIVEKQEDIAAFADYRPTEVTSCLKPQ AAPPAPPVAAVPPTPQPVAPTPSAAPAGPKGRVFSPLAKKLAAEKGIDLTQVKGT GPEGRIKKDIDSFVPSKAAPAAAAAMAPPGRVAPAPAGVFTDIPISNIRRVIAQRLM QSKQTIPHYLLSVDVNMGEVLLVRKELNKMLEGKGKISVNDFFIKASALACLKVPEAN

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SSWMDTVIRQNHVVDVSVAVSTPAGLITPIVFNAHIKGLLETIASDVVSLASKAREGKL
QPHEFQGGTFTISNLGMFGIKNFSAINPPQACILAIGASEDKLIPADNEKGFDVASVM
SVTLSCDHRVVDGAVGAQWLAEFKKYLEKPITMLL

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name Dlat dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex) [*Mus musculus*]

Official Symbol **DLAT**

Synonyms DLAT; PDCE2; DLTA; PDC-E2; 6332404G05Rik;

Gene ID 235339

mRNA Refseq NM_145614

Protein Refseq NP_663589

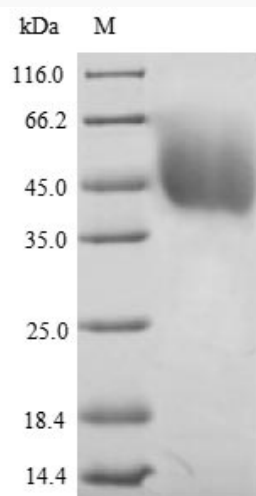
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UniProt ID

Q8BMF4



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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