

Recombinant Human DLAT Protein (93-640 aa), His-tagged

Cat. No. DLAT-456H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DLAT Protein (93-640 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Metabolism. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	93-640 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	62.2 kDa
AA Sequence	KVPLPSLSPTMQAGTIARWEKKEGDKINEGDLIAEVETDKATVGFESLEECYMAKILV AEGTRDVPIGAIICTVGGKPEDIEAFKNYTLDSAAPTPQAAPAPTPAATASPPTPSAQ APGSSYPHMQVLLPALSTMTMGTVQRWEKKVGEKLSEGDLLAEIETDKATIGFEV QEEGYLAKILVPEGTRDVPLGTPLCIIVEKEADISAFADYRPTEVTDLKPQVPPPTPPP VAAVPPTPQPLAPTPSAPCPATPAGPKGRVFSPLAKKLAVEKGIDLTQVKGTGPDG RITKKDIDSFVPSKVAPAPAAVVPPTGPGMAPVPTGVFTDIPISNIRRVIAQRLMQSKQ TIPHYLLSIDVNMGEVLLVRKELNKILEGRSKISVNDFIKASALACKLVPEANSSWMD

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TVIRQNHVVDVSVAVSTPAGLITPIVFNAHIKGVETIANDVVSLATKAREGKLQPHEFQ
GGTFTISNLGMFGIKNFSAINPPQACILAIGASEDKLVPADNEKGFDVASMMSVTLSC
DHRVVDGAVGAQWLAEFRKYLE

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 with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name DLAT dihydrolipoamide S-acetyltransferase [Homo sapiens]

Official Symbol DLAT

Synonyms DLAT; DLTA; PDC E2; PBC; PDCE2; PDC-E2;

Gene ID 1737

mRNA Refseq NM_001931

Protein Refseq NP_001922

MIM 608770

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UniProt ID

P10515

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

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