



Recombinant Human DLAT Protein Product Manual

1. Product Basic Information

Product No.: REP06678

Protein Name: M2 Antigen Complex 70 Kda Subunit (DLAT)

Aliases: E2; PBC; DLTA; PDCE2; PDC-E2; M2 antigen complex 70 kDa subunit; dihydrolipoamide S-acetyltransferase; pyruvate dehydrogenase complex component E2; E2 component of pyruvate dehydrogenase complex

UniProt ID: P10515

UniProt Link: <https://www.uniprot.org/uniprotkb/P10515/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (93-640aa)

Molecular Weight: 62.2kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (93-640aa)

KVPLPSLSPTMQAGTIARWEKKEGDKINEGDLIAEVETDKATVGFESLEECYMAKIL
VAEGTRDVPIGAIICITVGKPEDIEAFKNYTLDSAAPTPQAAPAPTPAATASPPTPSA
QAPGSSYPHPMQVLLPALSPTMTMGTVQRWEKKVGEKLSEGDLLAEIETDKATIGF
EVQEEGYLAKILVPEGTRDVPLGTPLCIIVEKEADISAFADYRPTEVTDLKPQVPPPT
PPPVAAVPPTPQPLAPTPSAPCPATPAGPKGRVSVPLAKKLAVEKGIDLTQVKGT
GPDGRITKKDIDSFVPSKVAPAPAAVVPPTGPGMAPVPTGVFTDIPISNIRRVIAQRL
MQSKQTIPHYYSIDVNMGEVLLVRKELNKILEGRSKISVNDFIKASALACKVPEAN
SSWMDTVIRQNHVVDVSVAVSTPAGLITPIVFNAHIKGVETIANDVSLATKAREGKL
QPHEFQGGTFTISNLGMFGIKNFSAIINPPQACILAIGASEDKLVPADNEKGFDVASM
MSVTLSCDHRVVDGAVGAQWLAEFRKYLE

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human DLAT partial protein (93-640aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. DLAT, also known as E2 or PBC or DLTA, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.