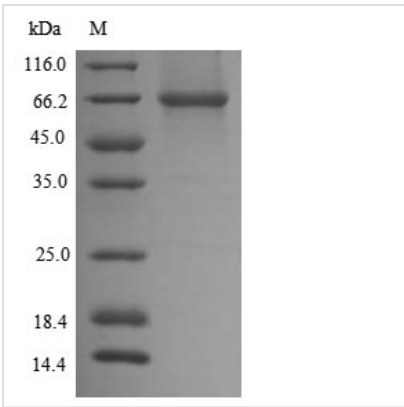
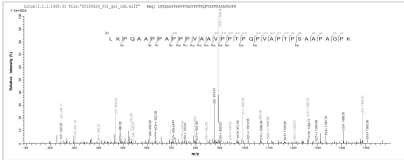
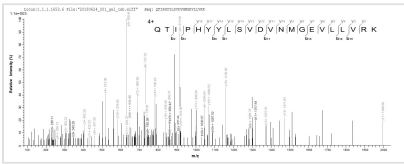




Recombinant Mouse Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial (Dlat)

Product Code	CSB-EP804374MOa0
Relevance	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.
Abbreviation	Recombinant Mouse Dlat protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8BMF4
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	SLPPHQKVPLPSLSPTMQAGTIARWEKKEGEKISEGDLIAEVETDKATVGFESL EECYMAKILVPEGTRDVPVGSIICTVEKPQDIEAFKNYTLDLAAAAAPQAAPAA APAPAAAPAAPSASAPGSSYPHTMQIVLPALSPTMTMGTVQRWEKKVGEKLS EGDLLAEIETDKATIGFEVQEEGYLAKILVPEGTRDVPPLGAPLCIIVEKQEDIAAF ADYRPTEVTSLKPQAAPPAPPPVAAVPPTPQPVAPTPSAAPAGPKGRVFSVPL AKKLAAEKIDLTQVKGTGPEGRIKKDIDSFVPSKAAPAAAAAMAPPGPRVAP APAGVFTDIPISNIRRVIAQRLMQSKQTIPHYLSVDVNMGEVLLVRKELNKMLE GKGKISVNDFIKASALACKVPEANSSWMDTVIRQNHVVDVSVAVSTPAGLITP IVFNAHIKGLETIASDVVSLASKAREGKLQPHEFQGGTFTISNLGMFGIKNFSAII NPPQACILAIGASEDKLIPADNEKGFDVASVMSVTLSCDHRVVDGAVGAQWLA EFKKYLEKPITMLL
Research Area	Signal Transduction
Source	E.coli
Target Names	Dlat
Protein Names	Dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase complex Pyruvate dehydrogenase complex component E2
Expression Region	86-642aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	62.8 kDa

Protein Length	Full Length of Mature Protein
Image	 (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.  Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP804374MOa0 could indicate that this peptide derived from E.coli-expressed Mus musculus (Mouse) Dlat.  Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP804374MOa0 could indicate that this peptide derived from E.coli-expressed Mus musculus (Mouse) Dlat.
Description	Accelerate your signal transduction research with our Recombinant Mouse Dlat, also known as the Dihydrolipoyllysine-residue acetyltransferase component of the pyruvate dehydrogenase complex. This mitochondrial protein, recombinantly produced in E.coli, is a cornerstone for studies into the sophisticated world of cellular communication and energy metabolism. Presented as a full-length mature protein (86-642aa), our Dlat ensures comprehensive insights into the protein's function and structure. Expressed with a N-terminal 6xHis-tag, it provides efficient purification and enduring stability. Our Recombinant Mouse Dlat, with a purity greater than 85% as determined by SDS-PAGE, satisfies the rigorous standards of scientific research. Choose between liquid form for immediate use or lyophilized powder for durable storage, and tailor your research workflow to your exact needs.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	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°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.