

Recombinant Human Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial(DLAT),partial

Catalog No: #AP70236

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Package Size: #AP70236-1 20ug #AP70236-2 100ug #AP70236-3 1mg

Description

Product Name	Recombinant Human Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial(DLAT),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:93-640aaSequence Info:Partial
Other Names	70KDA mitochondrial autoantigen of primary biliary cirrhosis ;PBCDihydrolipoamide acetyltransferase component of pyruvate dehydrogenase complexM2 antigen complex 70KDA subunitPyruvate dehydrogenase complex component E2 ;PDC-E2 ;PDCE2
Accession No.	P10515
Calculated MW	62.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	KVPLPSLSPTMQAGTIARWEKKEGDKINEGDLIAEVETDKATVGFESLEECYMAKILVAEGTRDVPIGAIICITVG KPEDIEAFKNYTLDSAAPTPQAAPAPTPAATASPTPSAQAPGSSYPHMQVLLPALSPTMTMGTVQRWEK KVGEKLSEGDLLAEIETDKATIGFEVQEEGYLAKILVPEGTRDVPLGTPLCIIVEKEADISAFADYRPTEVTDLKP QVPPPTPPPVAAPVPTPQPLAPTPSAPCPATPAGPKGRVFSPLAKKLAVEKGIDLTQVKGTGPDGRITKKDID SFVPSKVAPAPAAVVPPTGPGMAPVPTGVFTDIPISNIRRVIAQRLMQSKQTIPHYLSIDVNMGEVLLVRKELN KILEGRSKISVNDFIKASALACLKVPEANSSWMDTVIRQNHVVDVSAVSTPAGLITPIVFNAHIKGVETIANDVV SLATKAREGKLQPHEFQGGTFTISNLGMFGIKNFSAIINPPQACILAIGASEDKLVPADNEKGFVDVASMMSVTLS CDHRVVDGAVGAQWLAEFRKYLE
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO₂, and thereby links the glycolytic pathway to the tricarboxylic cycle.

References

Totoki Y., Toyoda A., Takeda T., Sakaki Y., Tanaka A., Yokoyama S. Human chromosome 11 DNA sequence and analysis including novel gene identification.Taylor T.D., Noguchi H., Totoki Y., Toyoda A., Kuroki Y., Dewar K., Lloyd C., Itoh T., Takeda T., Kim D.-W., She X., Barlow K.F., Bloom T., Bruford E., Chang J.L., Cuomo C.A., Eichler E., FitzGerald M.G. , Jaffe D.B., LaButti K., Nicol R., Park H.-S., Seaman C., Sougnez C., Yang X.,

Note: This product is for in vitro research use only and is not intended for use in humans or animals.