

# Recombinant Human DLAT

Catalog No: #GP12197



Package Size: #GP12197-1 100ug

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## Description

Product Name	Recombinant Human DLAT
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 200 amino acids of human DLAT
Target Name	dihydrolipoamide S-acetyltransferase
Other Names	DLTA; PDCE2; PDC-E2
Accession No.	Swissprot:P10515Gene Accession:BC039084
Uniprot	P10515
GeneID	1737;
Storage	-20~-80°C, pH 7.6 PBS

## Background

This gene encodes component E2 of the multi-enzyme pyruvate dehydrogenase complex (PDC). PDC resides in the inner mitochondrial membrane and catalyzes the conversion of pyruvate to acetyl coenzyme A. The protein product of this gene, dihydrolipoamide acetyltransferase, accepts acetyl groups formed by the oxidative decarboxylation of pyruvate and transfers them to coenzyme A. Dihydrolipoamide acetyltransferase is the antigen for antimitochondrial antibodies. These autoantibodies are present in nearly 95% of patients with the autoimmune liver disease primary biliary cirrhosis (PBC). In PBC, activated T lymphocytes attack and destroy epithelial cells in the bile duct where this protein is abnormally distributed and overexpressed. PBC eventually leads to cirrhosis and liver failure. Mutations in this gene are also a cause of pyruvate dehydrogenase E2 deficiency which causes primary lactic acidosis in infancy and early childhood.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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