

# Recombinant Human PDHA1

Catalog No: #GP13370



Package Size: #GP13370-1 100ug

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## Description

Product Name	Recombinant Human PDHA1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 191-390 amino acids of human PDHA1
Target Name	pyruvate dehydrogenase E1 alpha 1 subunit
Other Names	PDHA; PDHAD; PHE1A; PDHCE1A
Accession No.	Swissprot:P08559Gene Accession:BC002406
Uniprot	P08559
GeneID	5160;
Storage	-20~-80°C, pH 7.6 PBS

## Background

The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and CO<sub>2</sub>, and provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle. The PDH complex is composed of multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3). The E1 enzyme is a heterotetramer of two alpha and two beta subunits. This gene encodes the E1 alpha 1 subunit containing the E1 active site, and plays a key role in the function of the PDH complex. Mutations in this gene are associated with pyruvate dehydrogenase E1-alpha deficiency and X-linked Leigh syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## 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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