

## Recombinant Human PDHA2 Protein, His-tagged

Cat. No. PDHA2-2574H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PDHA2 Protein (Ser28-Ser388) with a N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser28-Ser388
<b>Description</b>	Enables pyruvate dehydrogenase (acetyl-transferring) activity. Involved in pyruvate metabolic process. Located in mitochondrion and nucleolus.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 43.6 kDa Accurate Molecular Mass: 44 kDa
<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).
<b>Purity</b>	> 80%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name**

PDHA2 pyruvate dehydrogenase (lipoamide) alpha 2 [ Homo sapiens (human) ]

**Official Symbol**

PDHA2

**Synonyms**

PDHA2; pyruvate dehydrogenase (lipoamide) alpha 2; PDHAL; pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial; PDHE1-A type II; pyruvate dehydrogenase, E1-alpha polypeptide, testis specific; MGC149517; MGC149518;

**Gene ID**

5161

**mRNA Refseq**

NM\_005390

**Protein Refseq**

NP\_005381

**MIM**

179061

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

P29803



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA