

Recombinant Human PDHA2 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human PDHA2 Protein (Ser28-Ser388) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser28-Ser388
Description	Enables pyruvate dehydrogenase (acetyl-transferring) activity. Involved in pyruvate metabolic process. Located in mitochondrion and nucleolus.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 43.6 kDa Accurate Molecular Mass: 44 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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

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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

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UniProt ID

P29803

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