

# Recombinant Full Length Human PDHA2 Protein, C-Flag-tagged

**Cat. No.** PDHA2-1724HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human PDHA2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	Enables pyruvate dehydrogenase (acetyl-transferring) activity. Involved in pyruvate metabolic process. Located in mitochondrion and nucleolus.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	42.8 kDa
<b>AA Sequence</b>	<p>MLAAFISRVLRRVAQKSARRVLVASRNSSNDATFEIKKCDLYLLEEGPPVTTVLTRAE  GLKYRMMMLTVR RMELKADQLYKQKFIRGFCHLCDGQEACCVGLEAGINPSDHVIT  SYRAHGVCYTRGLSVRSILAELTGRR GGCAKKGKGGSMHMYTKNFYGGNGIVGAQ  GPLGAGIALACKYKGNDEICLTLYGDGAANQQQIAEAFNMAA LWKLPVFCENNLY  GMGTSTERAAASPDYYKRGNFIPGLKVDGMDVLCVREATKFAANYCRSGKGPILM  ELQTYRYHGHSMSPDGVSYRTREEIQEVRSKRDPPIILQDRMVNSKLATVEELKEIGA  EVRKEIDDAAQF  ATTDPEPHLEELGHHIYSSDSSFEVRGANPWIKFSVSTRTRPLEQKLISEEDLAAND  ILDYKDDDDKV</p>

 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

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Pathways</b>	Butanoate metabolism, Citrate cycle (TCA cycle), Glycolysis / Gluconeogenesis, Metabolic pathways, Pyruvate metabolism, Valine, leucine and isoleucine biosynthesis
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	PDHA2 pyruvate dehydrogenase E1 subunit alpha 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	PDHA2
<b>Synonyms</b>	PDHAL; SPGF70
<b>Gene ID</b>	5161
<b>mRNA Refseq</b>	NM_005390.5
<b>Protein Refseq</b>	NP_005381.1

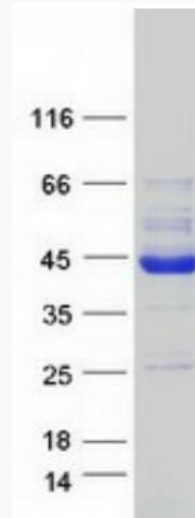
 Tel: 1-631-559-9269 1-516-512-3133

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

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

**MIM** 179061

**UniProt ID** P29803



Coomassie blue staining of purified PDHA2 protein.

 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