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

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

SPECIFICATION

Product Overview	Recombinant Full Length Human PDHA2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Enables pyruvate dehydrogenase (acetyl-transferring) activity. Involved in pyruvate metabolic process. Located in mitochondrion and nucleolus.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	42.8 kDa
AA Sequence	MLAAFISRVLRRVAQKSARRVLVASRNSSNDATFEIKKCDLYLLEEGPPVTTVLTRAE GLKYYRMMLTVR RMELKADQLYKQKFIRGFCHLCDGQEACCVGLEAGINPSDHVIT SYRAHGVCYTRGLSVRSILAELTGRR GGCAKGKGGSMHMYTKNFYGGNGIVGAQ GPLGAGIALACKYKGNDEICLTLYGDGAANQGQIAEAFNMAA LWKLPCVFICENNLY GMGTSTERAAASPDYYKRGNFIPGLKVDGMDVLCVREATKFAANYCRSGKGPILM ELQTYRYHGHSMSDPGVSYRTREEIQEVRSKRDPIIILQDRMVNSKLATVEELKEIGA EVRKEIDDAAQF ATTDPEPHLEELGHHIYSSDSSFEVRGANPWIKFKSVSTRTRPLEQKLISEEDLAAND ILDYKDDDDKV

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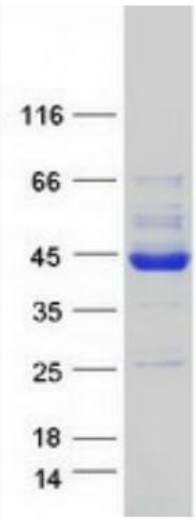
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate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

GENE INFORMATION

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

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MIM	179061
UniProt ID	P29803



Coomassie blue staining of purified PDHA2 protein.

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