

Product datasheet for **TP305416M**

PDHA2 (NM_005390) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pyruvate dehydrogenase (lipoamide) alpha 2 (PDHA2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC205416 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MLAAFISRVLRRVAQKSARRVLVASRNSSNDATFEIKKCDLYLLEEGPPVTTVLTRAEGLKYRMMMLTVR
RMELKADQLYKQKFIRGFCHLCDGQEACCVGLEAGINPSDHVITSYRAHGVCYTRGLSVRSILAELTGRR
GGCAKGKGGSMHMYTKNFYGGNGIVGAQGGLGAGIALACKYKGNDEICLTLYGDGAANQGQIAEAFNMAA
LWKLPCVFICENLYGMGTSTERAAASPDYKRGNFIPGLKVDGMDVLCVREATKFAANYCRSGKGPILM
ELQTYRYHGHSMSPGVSYRTREEIQEVRSKRDPPIIIQLDRMVNSKLATVEELKEIGAEVRKEIDDAQF
ATTDPEPHLEELGHHIYSSDSSFEVRGANPWIKFKSVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

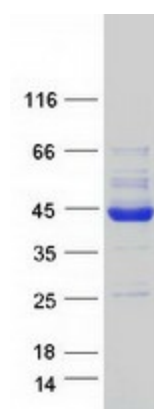
Tag:	C-Myc/DDK
Predicted MW:	42.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005381
Locus ID:	5161



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UniProt ID:	P29803
RefSeq Size:	1387
Cytogenetics:	4q22.3
RefSeq ORF:	1164
Synonyms:	PDHAL
Summary:	The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO ₂ , and thereby links the glycolytic pathway to the tricarboxylic cycle.[UniProtKB/Swiss-Prot Function]
Protein Pathways:	Butanoate metabolism, Citrate cycle (TCA cycle), Glycolysis / Gluconeogenesis, Metabolic pathways, Pyruvate metabolism, Valine, leucine and isoleucine biosynthesis

Product images:



Coomassie blue staining of purified PDHA2 protein (Cat# [TP305416]). The protein was produced from HEK293T cells transfected with PDHA2 cDNA clone (Cat# [RC205416]) using MegaTran 2.0 (Cat# [TT210002]).