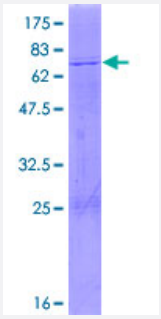
Full-Length

PDHA2 (Human) Recombinant Protein (P01)

Catalog # H00005161-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PDHA2 full-length ORF (NP_005381.1, 1 a.a. - 388 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLAAFISRVLRRVAQKSARRVLVASRNSSNDATFEIKKCDLYLLEEGPPVTTVLTRAEGLKYYRMM LTVRRMELKADQLYKQKFIRGFCHLCDGQEACCVGLEAGINPSDHVITSYRAHGVCYTRGLSVRSI LAELTGRRGGCAKGKGGSMHMYTKNFYGGNGIVGAQGPLGAGIALACKYKGNDEICLTLYGDGAA NQGQIAEAFNMAALWKLPCVFICENNLYGMGTSTERAAASPDYYKRGNFIPGLKVDGMDVLCVRE ATKFAANYCRSGKGPILMELQTYRYHGHSMSDPGVSYRTREEIQEVRSKRDPIIILQDRMVNSKLAT VEELKEIGAEVRKEIDDAAQFATTDPEPHLEELGHHIYSSDSSFEVRGANPWIKFKSVS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	69.3
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PDHA2

Entrez GeneID	5161
GeneBank Accession#	NM_005390.3
Protein Accession#	NP_005381.1
Gene Name	PDHA2
Gene Alias	MGC149517, MGC149518, PDHAL
Gene Description	pyruvate dehydrogenase (lipoamide) alpha 2
Omim ID	179061
Gene Ontology	Hyperlink
Gene Summary	E1-alpha polypeptide
Other Designations	pyruvate dehydrogenase, E1-alpha polypeptide, testis specific

Pathway

- Biosynthesis of alkaloids derived from histidine and purine
- Biosynthesis of alkaloids derived from ornithine
- Biosynthesis of alkaloids derived from shikimate pathway

- Biosynthesis of alkaloids derived from terpenoid and polyketide
- Biosynthesis of phenylpropanoids
- Biosynthesis of plant hormones
- Biosynthesis of terpenoids and steroids
- Butanoate metabolism
- Citrate cycle (TCA cycle)
- Glycolysis / Gluconeogenesis
- Metabolic pathways
- Pyruvate metabolism
- Valine