

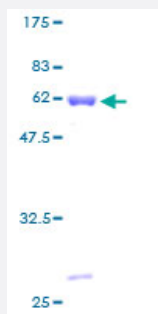
Full-Length

PDHB (Human) Recombinant Protein (P01)

Catalog # H00005162-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PDHB full-length ORF (AAH00439, 1 a.a. - 359 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAVSGLVRRPLREVSGLLKRRFHWTPAAPALQVTVRDAINQGMDEELERDEKVFLLGEEVAQYD
GAYKVSRLWKKYGDKRIDTPISEMGFAGIAGVGAAMAGLRPICEFMTFNFSMQAIDQVINSAAKTY
YMSGGLQPVPVFRGPNGASAGVAAQHSQCFAAWYGHCPGLKVSPWNSEDAKGLIKSAIRDN
NPVVVLENELMYGVPFEFPPEAQSKDFLIPIGKAKIERQGTHITVSHSRPVGHCCLEAAVLSKEG
VECEVINMRTIRPMDMETIEASVMKTNHLVTVEGGWPQFGVGAEICARIMEGPAFNFLDAPAVRV
TGADVPMPIYAKILEDNSIPQVKDIIFAIKKTLNI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

65.23

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 — PDHB

Entrez GeneID	5162
GeneBank Accession#	BC000439
Protein Accession#	AAH00439
Gene Name	PDHB
Gene Alias	DKFZp564K0164, PHE1B
Gene Description	pyruvate dehydrogenase (lipoamide) beta
Omim ID	179060
Gene Ontology	Hyperlink
Gene Summary	E1 beta polypeptide
Other Designations	Pyruvate dehydrogenase, E1 beta polypeptide

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](#)