

Recombinant Human PDHB Protein, His-tagged

Cat. No. PDHB-135H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDHB, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and carbon dioxide, and provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle. The PDH complex is composed of multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3). The E1 enzyme is a heterotetramer of two alpha and two beta subunits. This gene encodes the E1 beta subunit. Mutations in this gene are associated with pyruvate dehydrogenase E1-beta deficiency. Alternatively spliced transcript variants have been found for this gene.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	38 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	PDHB pyruvate dehydrogenase (lipoamide) beta [Homo sapiens]
Official Symbol	PDHB
Synonyms	PDHB; pyruvate dehydrogenase (lipoamide) beta; pyruvate dehydrogenase E1 component subunit beta, mitochondrial; pyruvate dehydrogenase, E1 beta polypeptide; PDHBD; PHE1B; PDHE1-B; DKFZp564K0164;
Gene ID	5162
mRNA Refseq	NM_001173468
Protein Refseq	NP_001166939
MIM	179060
UniProt ID	P11177

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