

Recombinant Human PDHA1, His-tagged

Cat. No. PDHA1-1613H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDHA1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	41-390aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	PDHA1 pyruvate dehydrogenase (lipoamide) alpha 1 [Homo sapiens]
Official Symbol	PDHA1
Synonyms	PDHA1; pyruvate dehydrogenase (lipoamide) alpha 1; PDHA; pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial; PDHE1-A type I; pyruvate dehydrogenase complex, E1-alpha polypeptide 1; PHE1A; PDHCE1A;

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Gene ID	5160
mRNA Refseq	NM_000284
Protein Refseq	NP_000275
MIM	300502
UniProt ID	P08559
Chromosome Location	Xp22.1
Pathway	Acetylcholine Synthesis, organism-specific biosystem; Butanoate metabolism, organism-specific biosystem; Butanoate metabolism, conserved biosystem; Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved biosystem; Glycolysis / Gluconeogenesis, organism-specific biosystem; Glycolysis / Gluconeogenesis, conserved biosystem;
Function	oxidoreductase activity; oxidoreductase activity, acting on the aldehyde or oxo group of donors, disulfide as acceptor; pyruvate dehydrogenase (acetyl-transferring) activity; pyruvate dehydrogenase activity;