

Recombinant Human PDHA1 protein(Phe30-Ser390)

Cat. No. PDHA1-2372H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDHA1 (P08559-1) (Phe30-Ser390) was expressed in Insect Cells, fused with two additional amino acids (Gly & Pro) at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	Phe30-Ser390
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human PDHA1 consists of 363 amino acids and has a calculated molecular mass of 40.4 kDa. The recombinant protein migrates as an approximately 45 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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;

Gene ID 5160

mRNA Refseq NM_000284

Protein Refseq NP_000275

MIM 300502

UniProt ID P08559

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