

Recombinant Human PDHA1, Gly & Pro tagged

Cat. No. PDHA1-266H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDHA1 (P08559-1) (Phe30-Ser390), fused with two additional amino acids (Gly & Pro) at the N-terminus, was produced in Baculovirus-Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	30-390 a.a.
Predicted N Terminal	Gly
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0. Normally 5 % - 8 % trehalose and mannitol 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
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.
Storage	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution. 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

Gene ID 5160

mRNA Refseq NM_000284

Protein Refseq NP_000275

MIM 300502

UniProt ID P08559

Chromosome Location Xp22.1

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