

## Recombinant Human PDHA1, Gly & Pro tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	30-390 a.a.
<b>Predicted N Terminal</b>	Gly
<b>Form</b>	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 eu per µg of the protein as determined by the LAL method.
<b>Purity</b>	>85 % as determined by SDS-PAGE
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70oC.
<b>Storage</b>	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein

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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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