

Recombinant Human PDHA1, His-GST tagged

Cat. No. PDHA1-245H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDHA1 (P08559-1) (Phe30-Ser390), fused with the N-terminal polyhistidine-tagged GST tag, was produced in Baculovirus-Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	30-390 a.a.
Predicted N Terminal	Met
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 3mM DTT, 10% gly, pH 8.0. Normally 5% - 8% trehalose and mannitol are added as protectants before lyophilization.
Molecular Mass	The recombinant human PDHA1/GST chimera consists of 598 amino acids and has a calculated molecular mass of 68 kDa. The recombinant protein migrates as an approximately 65 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95% as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.

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Storage Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein 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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