

Recombinant Human PDHK4 (N-GST tag)

Cat No:HR2R1842

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PDHK4
Gene ID	N/A
Accession	NM_002612
Alternative Name	PDK4; FLJ40832
Species	Human
Source	Insect cells
Description	PDHK4 or Pyruvate Dehydrogenase Kinase 4 is a member of the PDHK family that phosphorylate and inactivate the Pyruvate Dehydrogenase (PDH) . PDH is a mitochondrial multienzyme complex that catalyzes the oxidative decarboxylation of pyruvate and is one of the major enzymes responsible for the regulation of homeostasis of carbohydrate fuels in mammals. PDHK4 upregulation in adipocytes participates in the hypolipidemic effect of thiazolidinediones through modulation of glyceroneogenesis . PDHK4 expression is strongly and selectively induced by Rosiglitazone in a direct and transcriptional manner.
Functions	The specific activity of PDHK4 was determined to be 20 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	71
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.