Recombinant Mouse Pdk4, His & GST-tagged

Cat. No. Pdk4-525M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the mouse PDK4 (O70571) (Met1-Val412) was expressed with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Mouse
Source	Insect Cells
ProteinLength	Met1-Val412
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant mouse PDK4/GST chimera consists of 649 amino acids and has a calculated molecular mass of 74.4 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	>85 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Storage	Store it under sterile conditions at -70℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	Pdk4 pyruvate dehydrogenase kinase, isoenzyme 4 [Mus musculus]
Official Symbol	Pdk4
Synonyms	PDK4; pyruvate dehydrogenase kinase, isoenzyme 4; pyruvate dehydrogenase kinase, isozyme 4; pyruvate dehydrogenase kinase 4; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 4, mitochondrial; AV005916;
Gene ID	27273
mRNA Refseq	NM_013743
Protein Refseq	NP_038771
Pathway	Metabolism, organism-specific biosystem; Pyruvate metabolism, organism-specific biosystem; Pyruvate metabolism and Citric Acid (TCA) cycle, organism-specific biosystem; Regulation of pyruvate dehydrogenase (PDH) complex, organism-specific biosystem; TCA Cycle, organism-specific biosystem; The citric acid (TCA) cycle and respiratory electron transport, organism-specific biosystem;
Function	ATP binding; kinase activity; nucleotide binding; protein histidine kinase activity; protein kinase activity; protein serine/threonine/tyrosine kinase activity; pyruvate dehydrogenase (acetyl-transferring) kinase activity; transferase activity; two-compon

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA