

Datasheet for ABIN666881

PDPK1 Protein (AA 29-436) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	PDPK1
Protein Characteristics:	AA 29-436
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDPK1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	PDK1, 29-436aa, Human, His-tagged, Recombinant, E.coli
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	PDPK1
Alternative Name:	PDK1 (PDPK1 Products)
Background:	PDK1 (pyruvate dehydrogenase kinase isoform 1) is involved in the regulation of enzymatic activity of mammalian pyruvate dehydrogenase (PDH) that is a part of a mitochondrial multienzyme complex to catalyze the oxidative decarboxylation of pyruvate and is one of the major enzymes responsible for the regulation of homeostasis of carbohydrate fuels in mammals. PDK1 has been found to serve as an effective therapeutic target for inhibition of

Target Details

glioblastoma growth. Recombinant human PDK1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: Pyruvate dehydrogenase kinase, isozyme 1, Pyruvate dehydrogenase kinase, isozyme 1 HGNC:8809, Mitochondrial pyruvate dehydrogenase kinase isoenzyme1, PDK1, Pyruvate dehydrogenase kinase isoform 1, Pyruvate dehydrogenase kinase, isoenzyme 1. NCBI no.: NP_002601

Molecular Weight: 48.6 kDa (429 aa)

Pathways: [PI3K-Akt Signaling](#), [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Cell-Cell Junction Organization](#), [Regulation of Cell Size](#), [Skeletal Muscle Fiber Development](#), [CXCR4-mediated Signaling Events](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [VEGFR1 Specific Signals](#)

Application Details

Restrictions: For Research Use only

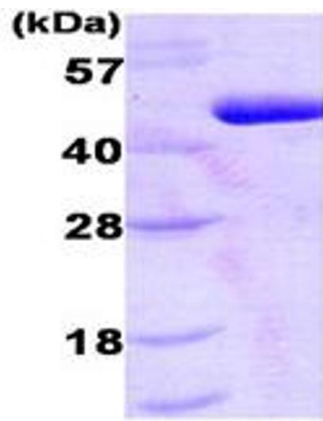
Handling

Format: Liquid

Concentration: 0.5 mg/ml (determined by Bradford assay)

Buffer: Liquid. In 20 mM Tris-HCl buffer (pH 7.0) containing 100mM NaCl, 0.5mM DTT, 0.1mM EDTA, 0.1mM PMSF, 1mM MgCl₂, 40% glycerol

Storage: 4 °C



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.