

PDPK1

Recombinant Human 3-Phosphoinositide-dependent Protein Kinase 1, Active (His-Tag)

Catalog No.	CSI12104	Quantity:	10 µg
Alternate Names:	PDK1		
Description:	Recombinant human PDPK1. PDPK1 is a serine/threonine protein kinase localized to the plasma membrane. It plays a vital role in insulin-induced glycogen synthesis, PKC activation, and activation of the AGC subfamily of protein kinases. Full length, active.		
UniProt ID:	O15530		
Accession No:	NM_002613		
Protein Construction:	Full length human PDK1 with N-terminal His tag		
Source:	Expressed by baculovirus in Sf9 insect cells		
Molecular Weight:	67 kDa		
Formulation:	50 mM sodium phosphate, 300 mM NaCl, pH 7.0, containing 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25% glycerol		
Purity:	> 90% by SDS-PAGE		
Concentration:	0.10 mg/ml		
Biological Activity:	Activity assay using [³³ P]-ATP and peptide substrate (KTFCGTPEYLAPEVRREPRILSEEEQEMFRDFDYIADWC) protocol included.		
Specific Activity:	125 nmol/min/mg		
Storage & Stability:	Store unopened for up to 1 year at -80°C. Upon initial thaw, prepare working aliquots and store at -80°C. Avoid repeated freeze-thaw cycles.		

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