

Recombinant Human PIK3C2A (N-GST tag)

Cat No:HR2R1859

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PIK3C2A
Gene ID	N/A
Accession	NM_002645
Alternative Name	PI3-K-C2(ALPHA), PI3-K-C2A, DKFZp686L193, CPK, MGC142218
Species	Human
Source	Insect cells
Description	PIK3C2A is belongs to the phosphoinositide 3-kinase (PI3K) family which play roles in signaling pathways involved in cell proliferation, oncogenic transformation, cell survival, cell migration, and intracellular protein trafficking. PIK3C2A can phosphorylate phosphatidylinositol and phosphatidylinositol-4-phosphate in vitro . PIK3C2A contains a lipid kinase catalytic domain as well as a C-terminal C2 domain, a characteristic of class II PI3-kinases that act as calcium-dependent phospholipid binding motifs that mediate translocation of proteins to membranes, and may also mediate protein-protein interactions .
Functions	The specific activity of PIK3K2A was determined to be 22 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	155
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.