

Recombinant Human PIK3C2A, His-tagged

Cat. No. PIK3C2A-1715H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PIK3C2A protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-338aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	PIK3C2A phosphoinositide-3-kinase, class 2, alpha polypeptide [Homo sapiens]
Official Symbol	PIK3C2A
Synonyms	PIK3C2A; phosphoinositide-3-kinase, class 2, alpha polypeptide; phosphatidylinositol-4-phosphate 3-kinase C2 domain-containing subunit alpha; PI3K C2alpha; PI3K-C2alpha; PI3K-C2-alpha; ptdIns-3-kinase C2 subunit alpha; phosphoinositide 3-kinase-C2-alpha; C2-containing phosphatidylinositol kinase; CPK; PI3-K-C2A;

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	MGC142218; PI3-K-C2(ALPHA); DKFZp686L193;
Gene ID	5286
mRNA Refseq	NM_002645
Protein Refseq	NP_002636
MIM	603601
UniProt ID	O00443
Chromosome Location	11p15.5-p14
Pathway	3-phosphoinositide biosynthesis, organism-specific biosystem; 3-phosphoinositide biosynthesis, conserved biosystem; Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; Inositol phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism, conserved biosystem; Insulin Signaling, organism-specific biosystem;
Function	1-phosphatidylinositol-3-kinase activity; 1-phosphatidylinositol-4-phosphate 3-kinase activity; ATP binding; binding; nucleotide binding; phosphatidylinositol 3-kinase activity; phosphatidylinositol binding; phosphotransferase activity, alcohol group as a