

Recombinant Bovine Phosphoinositide-3-Kinase, Catalytic, Alpha Polypeptide, GST-tagged

Cat. No. PIK3CA-1864B Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine PIK3CA was expressed in Sf9 insect cells with a GST-tag.
Species	Bovine
Source	Sf9 Cells
Description	The PIK3CA and regulatory subunits are co-expressed in Sf9 insect cells. The catalytic subunit carries a GST-Tag and the heterodimer was purified by affinity chromatography. The GST-Tag facilitates the protein's application in typical GST pull-down assays. The MW of p110 alpha is 124.3 kDa (without Tag). The MW of p85 alpha is 83.5 kDa.
Form	Liquid supplied in 25 mM Tris, pH 8.0 + 50 mM NaCl + 0.5 mM MgCl ₂ + 50% glycerol.
Concentration	0.5 mg/ml
Biological Activity	3 nmol/mg/min using phosphatidylinositol as the substrate.
Storage	When stored at -20°C, this product is stable for one year. Avoid repeated freeze-thaw cycles.
Official Symbol	PIK3CA

GENE INFORMATION

 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



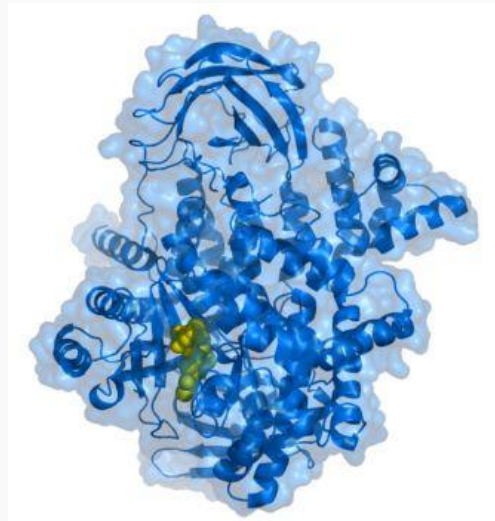
Gene Name	PIK3CA phosphoinositide-3-kinase,catalytic, alpha polypeptide [Bos taurus]
Synonyms	PIK3CA;phosphoinositide-3-kinase, catalytic, alpha polypeptide;phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alphaisoform; PI3K; PI3Kalpha; p110alpha; PI3K-alpha; ptdIns-3-kinase p110;PI3-kinase subunit alpha; PI3-kinase p110 subunit alpha; ptdIns-3-kinasesubunit alpha; ptdIns-3-kinase subunit p110-alpha; serine/threonine proteinkinase PIK3CA; phosphoinositide-3-kinase catalytic alpha polypeptide;phosphatidylinositol-4,5-bisphosphate 3-kinase 110 kDa catalytic subunitalpha; EC 2.7.1.153; EC 2.7.11.1; MGC142161; MGC142163; p110-alpha
Gene ID	282306
mRNA Refseq	NM_174574
Protein Refseq	NP_776999
UniProt ID	P32871
Pathway	Acute myeloidleukemia; Apoptosis; B cell receptor signaling pathway; Chemokine signalingpathway; Colorectal cancer; Endometrial cancer; Fc epsilon RI signalingpathway; Fc gamma R-mediated phagocytosis; Focal adhesion; Inositol phosphatemetabolism; Insulin signaling pathway; Jak-STAT signaling pathway; Leukocytettransendothelial migration; Natural killer cell mediated cytotoxicity;Neurotrophin signaling pathway
Function	1-phosphatidylinositol-3-kinaseactivity; ATP binding; inositol or phosphatidylinositol kinase activity;insulin receptor substrate binding; nucleotide binding; phosphatidylinositol-4,5-bisphosphate3-kinase activity; phosphotransferase activity, alcohol group as acceptor;transferase activity; protein binding; protein kinase activator activity;protein serine/threonine kinase activity

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**PI3 Kinase 110
alphabound to the
inhibitor PIK-93
(yellow).**



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