

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 pulldown 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

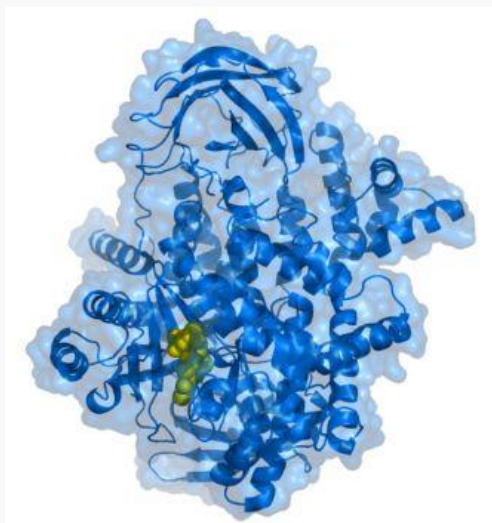
Gene Name	PIK3CA phosphoinositide-3-kinase,catalytic, alpha polypeptide [Bos taurus]
Synonyms	PIK3CA;phosphoinositide-3-kinase, catalytic, alpha polypeptide;phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alphaisoform; PI3K; PI3Kalpha; p110alpha; PI3K-alpha; ptdIns-3-kinase p110;PI3-kinase 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; Leukocyttetransendothelial 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
alpha bound to the
inhibitor PIK-93
(yellow).**



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