

Recombinant Bovine PIK3R2 (Beta)

Cat. No. PIK3R2-180B **Lot. No.** (See product label)

SPECIFICATION

Species	Bovine
Source	Sf9 Cells
Description	p85 α acts as regulatory subunit of the class IA PI3-kinase isoforms α , β , and δ . It contains two SH2 domains that bind to tyrosine-phosphorylated growth factor receptors or substrate adaptor proteins. It also contains a BH (breakpoint cluster region homology) domain that shows GAP activity towards the small GTPases Rab4, Rab5, Cdc42, Rac1 and to a lesser extend towards Rab6 and Rab11. MW=83.5kDa.
Form	Liquid. Supplied in 50mM Tris-HCl pH7.5, 50mM NaCl and 50% glycerol.
Purity	>95% by SDS-PAGE.
Usage	For in vitro use only.
Storage	Quality guaranteed for 12 months. Store at -80°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	PIK3R2 phosphoinositide-3-kinase, regulatory subunit 2 (beta) [<i>Bos taurus</i>]
Synonyms	PIK3R2; phosphoinositide-3-kinase, regulatory subunit 2 (beta); MGC138113; phosphoinositide-3-kinase, regulatory subunit 2 (p85 beta); phosphoinositide-3-kinase, regulatory subunit, polypeptide 2 (p85 beta)

 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 ID	282308
mRNA Refseq	NM_174576
Protein Refseq	NP_777001
UniProt ID	P23726
Chromosome Location	7
Pathway	Acute myeloid leukemia; Apoptosis; B cell receptor signaling pathway; Chemokine signaling pathway; Chronic myeloid leukemia; Colorectal cancer; Endometrial cancer; ErbB signaling pathway; Fc epsilon RI signaling pathway; Fc gamma R-mediated phagocytosis; Focal adhesion; Glioma; Insulin signaling pathway; Jak-STAT signaling pathway; Leukocyte transendothelial migration; Melanoma; Natural killer cell mediated cytotoxicity; Neurotrophin signaling pathway; Non-small cell lung cancer; Pancreatic cancer; Pathways in cancer; Phosphatidylinositol signaling system; Prostate cancer; Regulation of actin cytoskeleton; Renal cell carcinoma; Small cell lung cancer; T cell receptor signaling pathway; Toll-like receptor signaling pathway; Type II diabetes mellitus; VEGF signaling pathway; mTOR signaling pathway
Function	1-phosphatidylinositol-3-kinase activity; phosphoinositide 3-kinase regulator activity; protein binding

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