

# PE-04AFG99-P

## PIK3R2 (461-467) pY464 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on PIK3R2



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Phosphatidylinositol 3-kinase regulatory subunit beta
<b>Name Alias:</b>	p85; p85-BETA; P85B; Phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta; Phosphatidylinositol 3-kinase regulatory subunit beta; phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 2 (p85 beta); phosphoinositide-3-kinase, regulatory subunit 2 (beta); phosphoinositide-3-kinase, regulatory subunit 2 (p85 beta); phosphoinositide-3-kinase, regulatory subunit, polypeptide 2 (p85 beta); PI3-kinase regulatory subunit beta; PI3-kinase subunit p85-beta; PI3K regulatory subunit beta; PIK3R2; PtdIns-3-kinase regulatory subunit beta; PtdIns-3-kinase regulatory subunit p85-beta
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	O00459

### Peptide Structure

<b>Peptide Name:</b>	PIK3R2 (461-467) pY464
<b>Peptide Origin:</b>	In the region between the two SH2 domains in the protein. This is the major in vivo phosphorylation site in PIK3R2.
<b>Peptide Sequence Location:</b>	D461-Y467
<b>Peptide Sequence:</b>	DQL(pY)EEY(bA)C
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1212.2
<b>Observed Peptide Mass:</b>	1211.8
<b>% Peptide Purity:</b>	100.0
<b>Peptide Appearance:</b>	White powder
<b>Peptide Form:</b>	Solid
<b>Peptide Solubility:</b>	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
<b>Lot Number:</b>	KMP04CAU-38
<b>Amount:</b>	1 mg
<b>Storage Conditions:</b>	Frozen at -20 °C
<b>Storage Stability:</b>	Over 1 year at -20 °C

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### Applications

#### Product Use:

Serves as a blocking peptide for use with the PIK3R2-pY464 rabbit polyclonal antibody (Cat. No.: PN528) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit [www.kinexusproducts.ca](http://www.kinexusproducts.ca) or contact us at 1-866-KINASES (546-2737)

