

PE-04AHI99-P

PI3KR1 (464-470) pY467 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on PIK3R1



KINEXUS

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Target Protein

Name Long:	Phosphatidylinositol 3-kinase regulatory subunit alpha
Name Alias:	GRB1; p85; p85-ALPHA; P85A; Phosphatidylinositol 3-kinase 85 kDa regulatory subunit alpha; Phosphatidylinositol 3-kinase regulatory subunit alpha; phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha); phosphatidylinositol 3-kinase, regulatory, 1; phosphatidylinositol 3-kinase-associated p-85 alpha; phosphoinositide-3-kinase, regulatory subunit 1 (alpha); PI3-kinase regulatory subunit alpha; PI3-kinase subunit p85-alpha; PI3K regulatory subunit alpha; PIK3R1; PtdIns-3-kinase regulatory subunit alpha; PtdIns-3-kinase regulatory subunit p85-alpha
Species Origin:	Human
UniProt ID:	P27986

Peptide Structure

Peptide Name:	PI3KR1 (464-470) pY467
Peptide Origin:	In the region between the two SH2 domains in the C-terminus half of the protein. This is the major in vivo phosphorylation site in PI3KR1.
Peptide Sequence Location:	D464-Y470
Peptide Sequence:	DRL(pY)EEY(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1241.19
Observed Peptide Mass:	1239.4
% Peptide Purity:	98.3
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Lot Number:	KMP04CAV-55
Amount:	1 mg
Storage Conditions:	Frozen at -20 °C
Storage Stability:	Over 1 year at -20 °C

Applications

Product Use:	Serves as a blocking peptide for use with the PIK3R1-pY467 rabbit polyclonal antibody (Cat. No.: PN526) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.
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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 or contact us at 1-866-KINASES (546-2737)