

PE-04AFD99-P

PLCG1 (780-786) pY783 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on PLCG1



KINEXUS

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Target Protein

Name Long:	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-2
Name Alias:	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma 1; NCKAP3; Phospholipase C, gamma 1; Phospholipase C-gamma-1; PLC1; PLC148; PLC-148; PLCG-1; PLCgamma1; PLC-gamma1; PLC-II
Species Origin:	Human
UniProt ID:	P19174

Peptide Structure

Peptide Name:	PLCG1 (780-786) pY783
Peptide Origin:	In the intervening region between the second SH2 domain and the SH3 domain in PLCG1. This is one of the major sites of in vivo phosphorylation of PLCG1.
Peptide Sequence Location:	P780-A786
Peptide Sequence:	PGF(pY)VEA(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:	1035.1
Observed Peptide Mass:	1034.1
% Peptide Purity:	99.6
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:	KMP04CAU-35
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 PLCG1-pY783 rabbit polyclonal antibody (Cat. No.: PN530) 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)