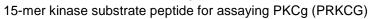
PE-01AHW95-P KinSub1RQDSF Peptide Powder





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Target Protein

Name Long:	Protein kinase C gamma type
Name Alias:	KPCG; MGC57564; PKC I; PKCC; PKC-gamma; PKC-I; PRKCG; Protein kinase C, gamma; Protein kinase C, gamma type; SCA14
UniProt ID:	P05129

Peptide Structure

Peptide Name:	KinSub1RQDSF
Peptide Origin:	KinSub1RQDSF was originally identified using a microarray with peptides that were predicted as optimal substrates for 500 human protein kinases with a proprietary algorithm developed at Kinexus with our academic partners.
Peptide Sequence Location:	Not applicable
Peptide Sequence:	GGLKRQDSFDRFGGG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1595.8
% Peptide Purity:	> 95
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	For assaying the phosphotransferase activity of Protein kinase C gamma type (PKCg, UniProt ID P05129). The KinSub1RQDSF peptide demonstrated very
	high phosphotransferase activity with PKCg, and exhibited high specificity when assayed with over 200 other protein kinases. A listing of other kinases that show appreciable phosphotransferase activity towards this peptide are listed in Table
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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 <u>www.kinexusproducts.ca</u> or contact us at 1-866-KINASES (546-2737)