

PE-01BIW95-P

PKG1Subtide Peptide Powder

14-mer kinase substrate peptide for assaying PKG1 (PRKG1)



KINEXUS

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Target Protein

Name Long:	cGMP-dependent protein kinase 1
Name Alias:	cGK 1 alpha; cGKI-alpha; cGKI-beta; cGMP-dependent protein kinase 1, alpha isozyme; DKFZp686K042; FLJ36117; KGP1A; Kinase PKG1; PGK; PKG; PKG1-alpha; Protein kinase, cGMP-dependent, type I
UniProt ID:	Q13976

Peptide Structure

Peptide Name:	PKG1Subtide
Peptide Origin:	Developed by Kinexus based on alignment of known substrates and Kinexus Kinase Substrate Predictor v2.0 algorithm.
Peptide Sequence Location:	Not applicable
Peptide Sequence:	NRFRRRSFCEVPAC
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1811.1
Observed Peptide Mass:	1810.7
% Peptide Purity:	94.6
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:	KMP01CAS-17
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 cGMP-dependent protein kinase 1 (UniProt ID Q13976).
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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)