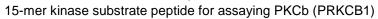
# PE-01ALK95-P KinSub7RRKSF Peptide Powder





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## **Target Protein**

Name Long:	Protein-serine kinase C beta 1
Name Alias:	Kinase PKC-beta; KPCB; MGC41878; PKC II; PKC-B; PKC-beta; PKC-II; PRKCB; PRKCB1; PRKCB2; Protein kinase C, beta type
UniProt ID:	P05771

## Peptide Structure

Peptide Name:	KinSub7RRKSF
Peptide Origin:	KinSub7RRKSF 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:	GGRFRRKSFRRKGHG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

### Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1801.1
% 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-serine kinase C beta 1 (PKCb2, UniProt ID P05771). The KinSub7RRKSF peptide demonstrated very high phosphotransferase activity with CHK2, and exhibited very low 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 1.

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)