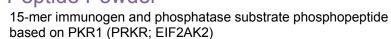
PE-04AXB80-P PKR (443-457) pT446+pT451+pY454+pS456 Peptide Powder





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Target Protein	
Name Long:	Double-stranded RNA-dependent protein-serine kinase; Interferon-induced, double-stranded RNA-activated protein kinase
Name Alias:	ADRB2; E2AK2; EIF2aK; EIF2AK1; EIF2AK2; Eukaryotic translation initiation factor 2-alpha kinase 2; Interferon-inducible RNA-dependent protein kinase; P1,eIF-2A protein kinase; TIK; MGC126524; ENSG00000055332
Species Origin:	Human
UniProt ID:	P19525

Peptide Structure

Peptide Name:	PKR (443-457) pT446+pT451+pY454+pS456
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	G443-P457
Peptide Sequence:	GKR(pT)RSKG(pT)LR(pY)M(pS)P
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production	
Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	2273.2
Observed Peptide Mass:	2272.6
% Peptide Purity:	79
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:	KLP04CAF-07
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:

This phosphopeptide may be useful as a substrate for screening the phosphatase activity of protein phosphatases.

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)