

PE-01AHA95-P

KinSub1DPGYF Peptide Powder

15-mer kinase substrate peptide for assaying InsR (IR)



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Insulin receptor
Name Alias:	CD220; CD220 antigen; HHF5; Insulin receptor; IR; Kinase InsR
UniProt ID:	P06213

Peptide Structure

Peptide Name:	KinSub1DPGYF
Peptide Origin:	KinSub1DPGYF 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:	GGGGDPGYFCVGGGW
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1384.5
% 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 Insulin receptor (InsR, UniProt ID P06213). The KinSub1DPGYF peptide demonstrated very high phosphotransferase activity with Brk, and exhibited medium 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.
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This product is for in vitro research use only and is not intended for use in humans or animals.

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