PE-04AKM99-P

INSR (1186-1192) pY1189 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on InsR (IR)

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
Species Origin:	Human
UniProt ID:	P06213

Peptide Structure

Peptide Name:	INSR (1186-1192) pY1189
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	E1186-K1192
Peptide Sequence:	ETD(pY)YRK(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1228.2
Observed Peptide Mass:	1228.2
% Peptide Purity:	99.07
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:	KMP04CAW-81
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Services as a blocking peptide for use with the InsR-pY1189 rabbit polyclonal antibody (Cat. No.: PK663) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.