PE-04ALN99-P

ZC1 (184-190) pT187 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on HGK MAP4K4; ZC1)

Address: 8755 Ash Street, Suite 1
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Target Protein

Name Long:	Mitogen-activated protein kinase kinase kinase kinase 4
Name Alias:	FLH21957; Hepatocyte progenitor kinase-like/germinal center kinase-like kinase; HGK; HPK/GCK-like kinase HGK; M4K4; MAP4K4; MAPK kinase kinase kinase 4; MAPK/ERK kinase kinase kinase 4; MEK kinase kinase 4; MEKKK 4; MEKKK4; Mitogen-activated protein kinase kinase kinase kinase 4; Nck interacting kinase; NIK; FLJ10410; FLJ20373; FLJ90111; KIAA0687; NIK; O95819; ENSG0000007105
Species Origin:	Human
UniProt ID:	O95819

Peptide Structure

Peptide Name:	ZC1 (184-190) pT187
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	R184-G190
Peptide Sequence:	RRN(pT)FIG(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:	1117.2
Observed Peptide Mass:	1116.9
% Peptide Purity:	100
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-108
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 HGK-pT187 rabbit polyclonal antibody (Cat. No.: PK653) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.