

PE-04AVS95-P

KHS1 (165-177) pT168 +pS174 Peptide Powder

13-mer immunogen and phosphatase substrate phosphopeptide based on KHS1 (MAP4K5; KHS)



KINEXUS

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Target Protein

Name Long:	Kinase homologous to SPS1/STE20 (MAP kinase kinase kinase protein-serine kinase 5 (MEKKK5))
Name Alias:	GCKR; Germinal center kinase-related; Germinal center kinase-related enzyme; KHS; Kinase KHS1; M4K5; MAP4K5; MAPK5; Q9Y4K4; ENSG00000012983
Species Origin:	Human
UniProt ID:	Q9Y4K4

Peptide Structure

Peptide Name:	KHS1 (165-177) pT168 +pS174
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	1165-G177
Peptide Sequence:	ITA(pT)IAKRK(pS)FIG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1781.2
Observed Peptide Mass:	1778.7
% 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
Lot Number:	KLP04CAC-21
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.
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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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