

# PE-04AVU01-S

## KHS1 (171-177) pS174 Peptide Solution

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



**KINEXUS**

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

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### Target Protein

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

### Peptide Structure

<b>Peptide Name:</b>	KHS1 (171-177) pS174
<b>Peptide Origin:</b>	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	K171-G177
<b>Peptide Sequence:</b>	KRK(pS)FIG
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>% Peptide Purity:</b>	Spot
<b>Peptide Appearance:</b>	Clear liquid
<b>Peptide Form:</b>	Solution
<b>Peptide Solubility:</b>	Supplied at 1 mg/ml concentration in 5% DMSO in water
<b>Lot Number:</b>	KMP04CAH-87
<b>Amount:</b>	250 µg
<b>Storage Conditions:</b>	Frozen at -20°C
<b>Storage Stability:</b>	Over 6 months at -20°C and 1 mg/ml concentration

### Applications

<b>Product Use:</b>	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](http://www.kinexusproducts.ca) or contact us at 1-866-KINASES (546-2737)