PE-04ALL99-P

YSK1 (171-177) pT174 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on YSK1 (STK25, SOK1)

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Target Protein

Name Long:	Serine/threonine-protein kinase 25
Name Alias:	DKFZp686J1430; SOK1; ST25; Ste20,oxidant stress response kinase-1; Ste20-like kinase; Sterile 20,oxidant stress-response kinase 1; STK25
Species Origin:	Human
UniProt ID:	O00506

Peptide Structure

Peptide Name:	YSK1 (171-177) pT174
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	K171-G177
Peptide Sequence:	KRN(pT)FVG(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:	1075.1
Observed Peptide Mass:	1073.4
% Peptide Purity:	99.42
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-106
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 YSK1-pT174 rabbit polyclonal antibody (Cat. No.: PK859) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.