

PE-01AKV95-P

KinSub4RRGSF Peptide Powder

15-mer kinase substrate peptide for assaying ASK1



KINEXUS

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Target Protein

Name Long:	Mitogen-activated protein kinase kinase kinase 5
Name Alias:	Apoptosis signal regulating kinase 1; Apoptosis signal-regulating kinase 1; ASK-1; Kinase ASK1; M3K5; MAP3K5; MAPK/ERK kinase kinase 5; MAPKKK5; MEK kinase 5; MEKK 5; MEKK5
UniProt ID:	Q99683

Peptide Structure

Peptide Name:	KinSub4RRGSF
Peptide Origin:	KinSub4RRGSF was originally identified using a microarray with peptides that were predicted as optimal substrates for 500 human protein kinases with a proprietary algorithm developed at Kinexus with our academic partners.
Peptide Sequence Location:	Not applicable
Peptide Sequence:	HFRGRRGSFGFGPGG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1590.8
% 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
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	For assaying the phosphotransferase activity of Mitogen-activated protein kinase kinase kinase 5 (ASK1, UniProt ID Q99683). The KinSub4RRGSF peptide demonstrated high phosphotransferase activity with PAK5 (PAK7), and exhibited very high specificity when assayed with over 200 other protein kinases. A listing of other kinases that show appreciable phosphotransferase activity towards this peptide are listed in Table 1.
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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 or contact us at 1-866-KINASES (546-2737)