

PE-01AKT95-P

KinSub4RPLSP Peptide Powder

15-mer kinase substrate peptide for assaying p38b MAPK (MAPK11)



KINEXUS

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Target Protein

Name Long:	Mitogen-activated protein-serine kinase p38 beta; Mitogen-activated protein kinase 11
Name Alias:	MAPK11; MK11; P38 MAPK-beta; P38-2; P38b; PRKM11; SAPK2; Stress-activated protein kinase-2; p28b MARPK; p38Beta; CCDS14090.1; Q15759; ENSG00000185386
UniProt ID:	Q15759

Peptide Structure

Peptide Name:	KinSub4RPLSP
Peptide Origin:	KinSub4RPLSP 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:	GIRSRPLSPCPGTYG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1559.8
% 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-serine kinase p38 beta; Mitogen-activated protein kinase 11 (p38b, UniProt ID Q15759). The KinSub4RPLSP peptide demonstrated medium phosphotransferase activity with Brk, and exhibited 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.

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