

PE-04ABC85-P

MOK (163-170) pY167 Peptide Powder

10-mer immunogen and phosphatase substrate phosphopeptide based on MOK (RAGE)



KINEXUS

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Target Protein

Name Long:	MAPK-MAK-MRK overlapping kinase; MOK protein kinase
Name Alias:	RAGE; RAGE1
Species Origin:	Human
UniProt ID:	Q9UQ07

Peptide Structure

Peptide Name:	MOK (163-170) pY167
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	S163-P170
Peptide Sequence:	STRW(pY)RAP(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:	1331.4
Observed Peptide Mass:	1331.7
% Peptide Purity:	84
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:	KMP04CAN-14
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Serves as a blocking peptide for use with the MOK-pY167 rabbit polyclonal antibody (Cat. No.: PK721) that is also available from Kinexus. This phosphopeptide may also 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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