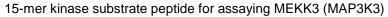
PE-01AHP95-P KinSub1RHGTP Peptide Powder





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Target Protein

Name Long:	MAPK/ERK kinase kinase 3; Mitogen-activated protein kinase kinase kinase 3
Name Alias:	Kinase MEKK3; M3K3; MAP/ERK kinase kinase 3; MAP3K3; MAPK/ERK kinase kinase 3; MAPKKK2; MEK kinase 3; MEKK 3
UniProt ID:	Q99759

Peptide Structure

Peptide Name:	KinSub1RHGTP
Peptide Origin:	KinSub1RHGTP 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:	GCDGRHGTPYKKGGW
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1617.8
% 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

	For assaying the phosphotransferase activity of MAPK/ERK kinase kinase 3; Mitogen-activated protein kinase kinase kinase 3 (MEKK3, UniProt ID Q99759).
Product Use:	The KinSub1RHGTP peptide demonstrated high phosphotransferase activity with TXK, and exhibited medium 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.

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 <u>www.kinexusproducts.ca</u> or contact us at 1-866-KINASES (546-2737)