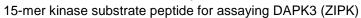
PE-01AJA95-P KinSub1RRGSE Peptide Powder





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Target Protein

Name Long:	Death-associated protein kinase 3
Name Alias:	DAP kinase 3; DAP-like kinase; Dlk; EC 2.7.11.1; ZIPK; ZIP-kinase
UniProt ID:	O43293

Peptide Structure

Peptide Name:	KinSub1RRGSE
Peptide Origin:	KinSub1RRGSE 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:	HGRGRRGSEYGRGGG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1557.7
% 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 Death-associated protein kind 3 (DAPK3, UniProt ID O43293). The KinSub1RRGSE peptide demonstrated by phosphotransferase activity with Pim1, and exhibited very low specificity whe assayed with over 200 other protein kinases. A listing of other kinases that shappreciable 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)