

PE-01AHL95-P

KinSub1RDLYV Peptide Powder

15-mer kinase substrate peptide for assaying DDR2 (Tyro10)



KINEXUS

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Target Protein

Name Long:	Discoidin domain-containing receptor 2
Name Alias:	Discoidin domain receptor 2; Discoidin domain receptor tyrosine kinase 2; Neurotrophic tyrosine kinase, receptor-related 3; NTRKR3; Receptor protein-tyrosine kinase TKT; TKT; TYRO10; Tyrosine-protein kinase TYRO 10; MIG20a; ENSG00000162733
UniProt ID:	Q16832

Peptide Structure

Peptide Name:	KinSub1RDLYV
Peptide Origin:	KinSub1RDLYV 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:	GGRGRDLYVKFGTIG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1594.8
% 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 Discoidin domain-containing receptor 2 (DDR2, UniProt ID Q16832). The KinSub1RDLYV peptide demonstrated high phosphotransferase activity with TXK, 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.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINASES (546-2737)