

PE-01AGU95-P

KinSub1DDNYV Peptide Powder

15-mer kinase substrate peptide for assaying PDGFRA



KINEXUS

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Target Protein

Name Long:	Platelet-derived growth factor receptor kinase alpha
Name Alias:	A1115593; Alpha platelet-derived growth factor receptor precursor; CD140a; Kinase PDGFR-alpha; MGC74795; PDGFR2; PDGFRA; PDGFR-alpha; PDGF-R-alpha; PGFRA; Platelet-derived growth factor, alpha-receptor; Rhe-PDGFR; RHEPDGFRA; CD140A; MGC74795; CCDS3495.1; ENSG00000134853
UniProt ID:	P16234

Peptide Structure

Peptide Name:	KinSub1DDNYV
Peptide Origin:	KinSub1DDNYV 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:	GGGEDDNYVGVGGGG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1308.3
% 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 Platelet-derived growth factor receptor kinase alpha (PDGFRA, UniProt ID P16234). The KinSub1DDNYV peptide demonstrated very high phosphotransferase activity with Blk, 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.
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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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