

PE-04AKV95-P

PDGFRA (759-765) pY762 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on 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-PDGFRa; RHEPDGFRA; CD140A; MGC74795; CCDS3495.1; ENSG00000134853
Species Origin:	Human
UniProt ID:	P16234

Peptide Structure

Peptide Name:	PDGFRA (759-765) pY762
Peptide Origin:	In the protein kinase catalytic domain near subdomain VI. This is the major in vivo phosphorylation site in PDGFRA.
Peptide Sequence Location:	R759-P765
Peptide Sequence:	RSL(pY)DRP(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:	1160.2
Observed Peptide Mass:	1159.3
% Peptide Purity:	96.93
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:	KMP04CAW-90
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 PDGFRA-pY762 rabbit polyclonal antibody (Cat. No.: PK758) 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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