

# PE-04ARN60-P

## PDGFRA (846-853) pS847+pY849 Peptide Powder

15-mer immunogen and phosphatase substrate phosphopeptide based on PDGFRA



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Platelet-derived growth factor receptor kinase alpha
<b>Name Alias:</b>	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
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P16234

### Peptide Structure

<b>Peptide Name:</b>	PDGFRA (846-853) pS847+pY849
<b>Peptide Origin:</b>	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	D846-G853
<b>Peptide Sequence:</b>	D(pS)N(pY)VSKG(bA)C
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1244.1
<b>Observed Peptide Mass:</b>	1245.7
<b>% Peptide Purity:</b>	61
<b>Peptide Appearance:</b>	White powder
<b>Peptide Form:</b>	Solid
<b>Peptide Solubility:</b>	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
<b>Lot Number:</b>	KLP04CAE-11
<b>Amount:</b>	1 mg
<b>Storage Conditions:</b>	Frozen at -20 °C
<b>Storage Stability:</b>	Over 1 year at -20 °C

### Applications

<b>Product Use:</b>	Serves as a blocking peptide for use with the PDGFRA-pS847+pY849 rabbit polyclonal antibody (Cat. No.: PK757) 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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