

PE-04AMK99-P

VEGFR3 (1065-1071) pY1068 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on VEGFR3 (Flt4)



KINEXUS

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Target Protein

Name Long:	Vascular endothelial growth factor receptor 3; Vascular endothelial growth factor receptor-protein-tyrosine kinase 3
Name Alias:	Fms-related tyrosine kinase 4; PCL; Tyrosine-protein kinase receptor FLT4; FLT41; VEGFR3; VGFR3; VGR3; CCDS4457.1; ENSG00000037280
Species Origin:	Human
UniProt ID:	P35916

Peptide Structure

Peptide Name:	VEGFR3 (1065-1071) pY1068
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	D1065-K1071
Peptide Sequence:	DPD(pY)VRK(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:	1145.2
Observed Peptide Mass:	1146.1
% Peptide Purity:	97.6
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:	KMP04CAX-23
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 VEGFR3-pY1068 rabbit polyclonal antibody (Cat. No.: PK853) 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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