

# PE-04AUI75-P

## VEGFR2 (1051-1063) pY1054+pY1059 Peptide Powder

13-mer immunogen and phosphatase substrate phosphopeptide based on VEGFR2 (KDR)



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### Target Protein

<b>Name Long:</b>	Vascular endothelial growth factor receptor 2 ; Vascular endothelial growth factor receptor-tyrosine kinase 2 (Flk1)
<b>Name Alias:</b>	A type III receptor tyrosine kinase; CD309; FLK1; Kinase insert domain receptor; Protein-tyrosine kinase receptor Flk-1; Vascular endothelial growth factor receptor 2; VEGFR; VEGFR2; VGR2; CD309; CCDS3497.1; ENSG00000128052
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P35968

### Peptide Structure

<b>Peptide Name:</b>	VEGFR2 (1051-1063) pY1054+pY1059
<b>Peptide Origin:</b>	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	R1051-G1063
<b>Peptide Sequence:</b>	RDI(pY)KDPD(pY)VRKG
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	2114.1
<b>Observed Peptide Mass:</b>	2113.8
<b>% Peptide Purity:</b>	76
<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>	KLP04CAC-01
<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>	This phosphopeptide may 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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