

# PE-04AUG99-P

## FGFR3 (644-650) pY647 Peptide Powder

10-mer immunogen and phosphatase substrate phosphopeptide based on FGFR3



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### Target Protein

<b>Name Long:</b>	Fibroblast growth factor receptor 3
<b>Name Alias:</b>	ACH; CD333; CEK2; FGFR-3; Fibroblast growth factor receptor 3; Heparin-binding growth factor receptor; HSFGR3E; JTK4; Kinase FGFR3; SAM3; CCDS3353.1; ENSG0000068078
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P22607

### Peptide Structure

<b>Peptide Name:</b>	FGFR3 (644-650) pY647
<b>Peptide Origin:</b>	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	N644-K650
<b>Peptide Sequence:</b>	KK(bA)NLD(pY)YKK
<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>	1348.9
<b>Observed Peptide Mass:</b>	1349.44
<b>% Peptide Purity:</b>	> 98
<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>	KMP04CAJ-08
<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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