

PE-04AFI90-P

FGFR3 (644-650) pY647+pY648 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on FGFR3



KINEXUS

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Target Protein

Name Long:	Fibroblast growth factor receptor 3
Name Alias:	ACH; CD333; CEK2; FGFR-3; Fibroblast growth factor receptor 3; Heparin-binding growth factor receptor; HSGFR3E; JTK4; Kinase FGFR3; SAM3; CCDS3353.1; ENSG00000068078
Species Origin:	Human
UniProt ID:	P22607

Peptide Structure

Peptide Name:	FGFR3 (644-650) pY647+pY648
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	N644-K650
Peptide Sequence:	NLD(pY)(pY)KK(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:	1277.2
Observed Peptide Mass:	1275.5
% Peptide Purity:	91.6
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:	KMP04CAV-01
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 FGFR3-pY647+pY648 rabbit polyclonal antibody (Cat. No.: PK636) 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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