

# PE-04AMP99-P

## FYN (210-217) pY213+pY214 Peptide Powder

10-mer immunogen and phosphatase substrate phosphopeptide based on Fyn



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Fyn proto-oncogene-encoded protein-tyrosine kinase
<b>Name Alias:</b>	FYN; FYN oncogene related to SRC, FGR, YES; Kinase Fyn; MGC45350; P59-FYN; P59-Fyn; SLK; SYN; hCG_34806; RP1-66H14.1-003; CCDS5094.1; ENSG00000010810
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P06241

### Peptide Structure

<b>Peptide Name:</b>	FYN (210-217) pY213+pY214
<b>Peptide Origin:</b>	In the SH2 domain. This is the major in vivo phosphorylation site in Fyn.
<b>Peptide Sequence Location:</b>	N210-T217
<b>Peptide Sequence:</b>	NGG(pY)(pY)ITT(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>	1222.08
<b>Observed Peptide Mass:</b>	1221.7
<b>% Peptide Purity:</b>	98.2
<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>	KMP04CAX-28
<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 Fyn-pY213+pY214 rabbit polyclonal antibody (Cat. No.: PK644) 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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