

# PE-04AGB95-P

## KIT (933-939) pY936 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on Kit



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Mast/stem cell growth factor receptor protein-tyrosine Kit
<b>Name Alias:</b>	CD117; C-kit; Kinase Kit; Mast/stem cell growth factor receptor precursor; PBT; SCFR; SL; V-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene; V-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homologue; ENSG00000157404
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P10721

### Peptide Structure

<b>Peptide Name:</b>	KIT (933-939) pY936
<b>Peptide Origin:</b>	In the C-terminal of the kinase after the catalytic domain
<b>Peptide Sequence Location:</b>	N933-L939
<b>Peptide Sequence:</b>	NHI(pY)SNL(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>	1114.11
<b>Observed Peptide Mass:</b>	1113.3
<b>% Peptide Purity:</b>	97.4
<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>	KMP04CAV-22
<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 Kit-pY936 rabbit polyclonal antibody (Cat. No.: PK673) 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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