

# PE-04AGQ99-P

## FAK (394-400) pY397 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on FAK (PTK2)

**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Focal adhesion protein-tyrosine kinase
<b>Name Alias:</b>	FADK1; FAK1; pp125FAK; FRNK; Protein-tyrosine kinase 2; PTK2; CCDS6381.1; ENSG00000169398
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q05397

### Peptide Structure

<b>Peptide Name:</b>	FAK (394-400) pY397
<b>Peptide Origin:</b>	In the region between the FERM_M and kinase catalytic domains. One of the major sites of phosphorylation in FAK.
<b>Peptide Sequence Location:</b>	T394-I400
<b>Peptide Sequence:</b>	TDD(pY)AEI(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>	1079.98
<b>Observed Peptide Mass:</b>	1077.6
<b>% Peptide Purity:</b>	100.0
<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-37
<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 FAK-pY397 rabbit polyclonal antibody (Cat. No.: PK627) 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.

For more information on our products please visit [www.kinexusproducts.ca](http://www.kinexusproducts.ca) or contact us at 1-866-KINASES (546-2737)