

# PE-04AFY95-P

## RAF1 (293-299) pS296 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on Raf1 (RafC)



**KINEXUS**

Address: 8755 Ash Street, Suite 1  
Vancouver, British Columbia,  
Canada V6P 6T3

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### Target Protein

<b>Name Long:</b>	Raf1 proto-oncogene-encoded protein-serine kinase
<b>Name Alias:</b>	cRAF; c-RAF; c-Raf; Kinase Raf1; Murine leukemia viral (V-raf-1) oncogene homologue 1; NS5; Protein kinase raf 1; Raf proto-oncogene serine/threonine-protein kinase; RAF1; V-raf-1 murine leukemia viral oncogene 1; CCDS2612.1; ENSG00000132155; B4E1N6; Q59HC8
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P04049

### Peptide Structure

<b>Peptide Name:</b>	RAF1 (293-299) pS296
<b>Peptide Origin:</b>	In the region between the C1_1 and kinase catalytic domains. This is the major in vivo phosphorylation sites in Raf1.
<b>Peptide Sequence Location:</b>	L293-N299
<b>Peptide Sequence:</b>	LSS(pS)PNN(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>	971.92
<b>Observed Peptide Mass:</b>	970.1
<b>% Peptide Purity:</b>	95.6
<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-19
<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 Raf1-pS296 rabbit polyclonal antibody (Cat. No.: PK791) 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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