

# PE-04ANL95-P

## LMR2 (1447-1453) pS1450 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on LMR2



**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>	Serine/threonine-protein kinase LMTK2
<b>Name Alias:</b>	LMTK2; 2900041G10Rik; AATYK2; BREK; CDK5,p35-regulated kinase; Cprk; KIAA1079; Kinase LMR2; Kinase phosphatase inhibitor 2
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q8IWU2

### Peptide Structure

<b>Peptide Name:</b>	LMR2 (1447-1453) pS1450
<b>Peptide Origin:</b>	Near the C-terminus of the protein kinase.
<b>Peptide Sequence Location:</b>	K1447-P1453
<b>Peptide Sequence:</b>	KYF(pS)PPP(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>	1088.2
<b>Observed Peptide Mass:</b>	1088.3
<b>% Peptide Purity:</b>	95.15
<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-49
<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 LMR2-pS1450 rabbit polyclonal antibody (Cat. No.: PK684) 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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