

# PE-04ANR99-P

## MARK3 (504-510) pT507 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on MARK3



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	MAP/microtubule affinity-regulating protein-serine kinase 3
<b>Name Alias:</b>	Cdc25C- associated protein kinase 1; Cdc25C-associated protein kinase 1; CTAK1; C-TAK1; ELKL motif kinase 2; KP78; PAR1A; Protein kinase STK10; Ser/Thr protein kinase PAR-1; Serine/threonine protein kinase p78; Serine/threonine-protein kinase p78
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P27448

### Peptide Structure

<b>Peptide Name:</b>	MARK3 (504-510) pT507
<b>Peptide Origin:</b>	In the C-terminal quarter of the protein kinase. This is the major in vivo phosphorylation site in MARK3.
<b>Peptide Sequence Location:</b>	R504-C510
<b>Peptide Sequence:</b>	RRN(pT)YVC(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>	1164.2
<b>Observed Peptide Mass:</b>	1162.3
<b>% Peptide Purity:</b>	99.6
<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>	KMP04CAX-55
<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 MARK3-pT507 rabbit polyclonal antibody (Cat. No.: PK697) 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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