

PE-04ANQ95-P

MARK2 (211-216) pT215 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on MARK1



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Target Protein

Name Long:	MAP/microtubule affinity-regulating protein-serine kinase 1
Name Alias:	ELKL motif kinase 1; EMK; EMK1; Kinase MARK2; MAP/microtubule affinity-regulating kinase 2; MGC99619; PAR-1; Par1b; PAR-1b; Serine/threonine kinase
Species Origin:	Human
UniProt ID:	Q9P0L2

Peptide Structure

Peptide Name:	MARK2 (211-216) pT215
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII. This is the major in vivo phosphorylation site in MARK1.
Peptide Sequence Location:	N211-F216
Peptide Sequence:	KLD(pT)FCG(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1036.1
Observed Peptide Mass:	1037.0
% Peptide Purity:	95.43
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Lot Number:	KMP04CAX-54
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Serves as a blocking peptide for use with the MARK1-pT215 rabbit polyclonal antibody (Cat. No.: PK695) 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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