

PE-04ASR99-P

CDK9 (172-189) pS175+pS180+pY185+pT186 Peptide Powder

18-mer immunogen and phosphatase substrate phosphopeptide based on CDK9



KINEXUS

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Target Protein

Name Long:	Cyclin-dependent protein-serine kinase 9
Name Alias:	C-2K; CDC2L4; Cell division cycle 2-like protein kinase 4; Cyclin-dependent kinase 9; Kinase Cdk9; PITALRE; TAK
Species Origin:	Human
UniProt ID:	P50750

Peptide Structure

Peptide Name:	CDK9 (172-189) pS175+pS180+pY185+pT186
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	R172-V189
Peptide Sequence:	RAF(pS)LAKN(pS)QPNR(pY)(pT)NRV
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	2615.5
Observed Peptide Mass:	2615.7
% Peptide Purity:	> 98
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:	KLP04CAA-22
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	This phosphopeptide may 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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