

PE-04ASU01-P

CDKL5 (172-180) pT174+pY177 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on CDKL5 (STK9)



KINEXUS

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Target Protein

Name Long:	Cyclin-dependent kinase-like 5; Serine-threonine-protein kinase 9
Name Alias:	Cyclin-dependent kinase-like 5; Kinase CdkL5; STK9
Species Origin:	Human
UniProt ID:	O76039

Peptide Structure

Peptide Name:	CDKL5 (172-180) pT174+pY177
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	V172-P180
Peptide Sequence:	VA(pT)RW(pY)RSP
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
% Peptide Purity:	Spot
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:	KMP04CAH-29
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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