

# PE-04ASS70-P

## CDKL5 (165-180) pY168+pT169+pY171+pT174+pY177 Peptide Powder

**KINEXUS**

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

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### Target Protein

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

### Peptide Structure

<b>Peptide Name:</b>	CDKL5 (165-180) pY168+pT169+pY171+pT174+pY177
<b>Peptide Origin:</b>	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	N165-P180
<b>Peptide Sequence:</b>	NAN(pY)(pT)E(pY)VA(pT)RW(pY)RSP
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	2564.2
<b>Observed Peptide Mass:</b>	2565
<b>% Peptide Purity:</b>	72.8
<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>	KLP04CAA-24
<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>	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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