

# PE-04AUV99-P

## HPK1 (162-174) pT165+pS171 Peptide Powder

13-mer immunogen and phosphatase substrate phosphopeptide based on HPK1



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### Target Protein

<b>Name Long:</b>	Mitogen-activated protein kinase kinase kinase kinase 1
<b>Name Alias:</b>	Hematopoietic progenitor kinase; Hematopoietic progenitor kinase 1; HPK1; Kinase HPK1; M4K1; MAP4K1
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q92918

### Peptide Structure

<b>Peptide Name:</b>	HPK1 (162-174) pT165+pS171
<b>Peptide Origin:</b>	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII. These are the major in vivo phosphorylation sites in HIPK1.
<b>Peptide Sequence Location:</b>	I162-G174
<b>Peptide Sequence:</b>	IGA(pT)LARRL(pS)FIG
<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>	1750.2
<b>Observed Peptide Mass:</b>	1747.5
<b>% Peptide Purity:</b>	98
<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>	KLP04CAC-08
<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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