

# PE-04AWI70-P

## MEK3 (214-233) pS218+pT222+pY230 Peptide Powder

20-mer immunogen and phosphatase substrate phosphopeptide based on MKK3 (MAP2K3, MEK3)



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### Target Protein

<b>Name Long:</b>	MAPK/ERK protein-serine kinase 3 beta isoform (MKK3 beta); Dual specificity mitogen-activated protein kinase kinase 3
<b>Name Alias:</b>	MAP kinase kinase 3; MAPK,ERK kinase 3; MAPK/ERK kinase 3; MAPKK 3; MAP2K3; MP2K3; PRKMK3; P46734; ENSG00000034152
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P46734

### Peptide Structure

<b>Peptide Name:</b>	MEK3 (214-233) pS218+pT222+pY230
<b>Peptide Origin:</b>	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	Y214-P233
<b>Peptide Sequence:</b>	YLVD(pS)VAK(pT)IDAGCKP(pY)MAP
<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>	2597.9
<b>Observed Peptide Mass:</b>	2595.4
<b>% Peptide Purity:</b>	68.8
<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>	KLP04CAD-06
<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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