

# PE-04ATW80-P

## ERK7 (172-179) pT175+pY177 Peptide Powder

8-mer immunogen and phosphatase substrate phosphopeptide based on ERK7 (MAPK15)



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### Target Protein

<b>Name Long:</b>	Mitogen-activated protein kinase 15
<b>Name Alias:</b>	ERK7; ERK8; Extracellular signal regulated kinase 8; Extracellular signal-regulated kinase 8; Mitogen-activated protein kinase 15; MK15
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q8TD08

### Peptide Structure

<b>Peptide Name:</b>	ERK7 (172-179) pT175+pY177
<b>Peptide Origin:</b>	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	Q172-A179
<b>Peptide Sequence:</b>	QAV(pT)E(pY)VA
<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>	1213.1
<b>Observed Peptide Mass:</b>	1212.8*
<b>% Peptide Purity:</b>	82
<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>	KLP04CAB-20
<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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