

PE-04ATM90-P

ERK1 (195-206) pT198+pT202+pY204 Peptide Powder

12-mer immunogen and phosphatase substrate phosphopeptide based on ERK1 (MAPK3)



KINEXUS

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Target Protein

Name Long:	Extracellular regulated protein-serine kinase 1 (p44 MAP kinase)
Name Alias:	ERK-1; ERT2; Insulin-stimulated MAP2 kinase; Kinase ERK1; MAP kinase 1; MAPK 1; MAPK1; MAPK3; PRKM3; p44ERK1; p44MAPK; MGC20180; ENSG00000102882
Species Origin:	Human
UniProt ID:	P27361

Peptide Structure

Peptide Name:	ERK1 (195-206) pT198+pT202+pY204
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	H195-A206
Peptide Sequence:	HDH(pT)GFL(pT)E(pY)VA
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1802.7
Observed Peptide Mass:	1801.8
% Peptide Purity:	91
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:	KLP04CAB-14
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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