

PE-04ATS75-P

ERK5 (217-223) pT219+pY221 Peptide Powder

10-mer immunogen and phosphatase substrate phosphopeptide based on ERK5 (MAPK7)



KINEXUS

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Target Protein

Name Long:	Extracellular regulated protein-serine kinase 5 (Big MAP kinase 1 (BMK1))
Name Alias:	BMK; BMK1; BMK1 kinase; ERK4; ERK-5; Extracellular-signal-regulated kinase 5; Kinase ERK5; MAPK7; PRKM7; ENSG00000166484
Species Origin:	Human
UniProt ID:	Q13164

Peptide Structure

Peptide Name:	ERK5 (217-223) pT219+pY221
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	F217-A223
Peptide Sequence:	KK(bA)FM(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:	1346.4
Observed Peptide Mass:	1346.37
% Peptide Purity:	73
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:	KMP04CAJ-02B
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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