

PE-14CAB95-P

ERKSelectideB Peptide Powder

30-mer kinase substrate peptide for assaying 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
UniProt ID:	P27361

Peptide Structure

Peptide Name:	ERKSelectideB
Peptide Origin:	Developed by Kinexus based on alignment of docking domains in ERK substrates.
Peptide Sequence Location:	Not applicable
Peptide Sequence:	LAERKAEDALKLP(AOOx3)GPGTTPGTPGGC (AOO=8-amino-3,6-dioxaooctanoyl)
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	3025.3
Observed Peptide Mass:	3023.9
% Peptide Purity:	96.6
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:	KSP14CAB
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	For assaying the phosphotransferase activity of Extracellular regulated protein-serine kinase 1 (p44 MAP kinase) (UniProt ID P27361).
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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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