

# PE-01AQS95-P

## ERK1 (8-32) Peptide Powder

29-mer immunogen peptide based on ERK1 (MAPK3)



# KINEXUS

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### Target Protein

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

### Peptide Structure

<b>Peptide Name:</b>	ERK1 (8-32)
<b>Peptide Origin:</b>	N-terminus
<b>Peptide Sequence Location:</b>	G8-K32
<b>Peptide Sequence:</b>	CGGGGGEGPRRTEGVGPGVPGEVEMVKGGC
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	None

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	2727.98
<b>Observed Peptide Mass:</b>	2619.3
<b>% Peptide Purity:</b>	94.7
<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>	ERK1-NT
<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>	Serves as a blocking peptide for use with the ERK1-NT (ERK1-4) rabbit polyclonal antibody (Cat. No.: NK055-4) that is also available from Kinexus.
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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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