

# PE-01BGH95-P

## AMPKSelectide Peptide Powder

15-mer kinase substrate peptide for assaying AMPK $\alpha$ 1 (PRKAA1)



# KINEXUS

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### Target Protein

<b>Name Long:</b>	5'-AMP-activated protein kinase catalytic subunit alpha-1
<b>Name Alias:</b>	5'-AMP-activated protein kinase, catalytic alpha-1 chain; AAMPK1; Acetyl-CoA carboxylase kinase; AMPK alpha-1 chain; AMPK, alpha, 1; AMPK-alpha1; HMG-CoA reductase kinase; HMG-CoA reductase kinase; PRKAA1; Protein kinase, AMP-activated, alpha 1 catalytic subunit; MGC33776; MGC57364; CCDS3932.1; ENSG00000132356
<b>UniProt ID:</b>	Q13131

### Peptide Structure

<b>Peptide Name:</b>	AMPKSelectide
<b>Peptide Origin:</b>	Developed by Kinexus based on alignment of known substrates and Kinexus Kinase Substrate Predictor v2.0 algorithm.
<b>Peptide Sequence Location:</b>	Not applicable
<b>Peptide Sequence:</b>	KKLPLTRSHNNFVAC
<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>	1799.2
<b>Observed Peptide Mass:</b>	1798.9
<b>% Peptide Purity:</b>	94.2
<b>Peptide Appearance:</b>	White powder
<b>Peptide Form:</b>	Solid
<b>Peptide Solubility:</b>	Dissolve in 50 $\mu$ l DMSO and dilute to desired concentration with water or aqueous buffer
<b>Lot Number:</b>	KMP01CAQ-05
<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>	For assaying the phosphotransferase activity of 5'-AMP-activated protein kinase catalytic subunit alpha-1 (UniProt ID Q13131).
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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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