

PE-01ACL95-P

AMPK/SIK KinSub Peptide Powder

15-mer kinase substrate peptide for assaying AMPK α 1 (PRKAA1)



KINEXUS

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Target Protein

Name Long:	5'-AMP-activated protein kinase catalytic subunit alpha-1
Name Alias:	5'-AMP-activated protein kinase, catalytic alpha-1 chain; AAPK1; 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
UniProt ID:	Q13131

Peptide Structure

Peptide Name:	AMPK/SIK KinSub
Peptide Origin:	Based on overlapping consensus kinase recognition sequences for SIK and AMPK
Peptide Sequence Location:	Not applicable
Peptide Sequence:	AMARAASAAALARRR
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Acid
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1542.8
% Peptide Purity:	> 95
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 μ l DMSO and dilute to desired concentration with water or aqueous buffer
Lot Number:	A11-58
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	For assaying the phosphotransferase activities of 5'-AMP-activated protein kinase catalytic subunit alpha-1 (AMPK1 α , UniProt ID Q13131), 5'-AMP-activated protein kinase, catalytic subunit alpha-2 (AMPK1 α 2, UniProt ID P54646) and Serine-threonine-protein kinase SNF1-like kinase 1 (SIK, UniProt ID P57059).
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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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