

PE-01ACT95-P

GSK3b (3-12) KinSub Peptide Powder

11-mer kinase substrate peptide for assaying GSK3b



KINEXUS

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Target Protein

Name Long:	Glycogen synthase-serine kinase 3 beta
Name Alias:	Factor A; Glycogen synthase kinase 3 beta; GSK-3 beta; GSK3-beta; Kinase GSK-3 beta; Kinase GSK3-beta; Protein kinase GSK-3-beta; CCDS2996.1; ENSG00000082701
Species Origin:	Human
UniProt ID:	P49841

Peptide Structure

Peptide Name:	GSK3b (3-12) KinSub
Peptide Origin:	Based on N-terminus of GSKb
Peptide Sequence Location:	G3-E12
Peptide Sequence:	GRPRTSSFAEG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Acid
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1164.2
% Peptide Purity:	> 95
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:	C51-58
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 RAC-alpha serine-threonine-protein kinase (Akt1, UniProt ID P31749), RAC-beta serine-threonine-protein kinase (Akt2, UniProt ID P31751), RAC-gamma serine-threonine-protein kinase (Akt3, UniProt ID Q9Y243), Ribosomal protein S6 kinase 1 (p70S6K, UniProt ID P23443), 5'-AMP-activated protein kinase catalytic subunit alpha-1 (AMPK1a, UniProt ID Q13131), and 5'-AMP-activated protein kinase, catalytic subunit alpha-2 (AMPK1a2, UniProt ID P54646).
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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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