

# PE-01ACU95-P

## GSK3b (4-10) KinSub Peptide Powder

7-mer kinase substrate peptide for assaying GSK3b



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Glycogen synthase-serine kinase 3 beta
<b>Name Alias:</b>	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
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P49841

### Peptide Structure

<b>Peptide Name:</b>	GSK3b (4-10) KinSub
<b>Peptide Origin:</b>	Based on the N-terminus of GSK3b
<b>Peptide Sequence Location:</b>	R4-F10
<b>Peptide Sequence:</b>	RPRAATF
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Acid
<b>Peptide Modifications Other:</b>	None

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	817.9
<b>% Peptide Purity:</b>	> 95
<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>	A08-58
<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 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), 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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