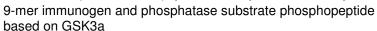
# PE-04ABU95-P

# GSK3a (282-288) pY284+pY285 Peptide Powder



KINEXUS

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## **Target Protein**

Name Long:	Glycogen synthase-serine kinase 3 alpha
Name Alias:	DKFZp686D0638; Factor A; Glycogen synthase kinase 3 alpha; GSK-3 alpha; GSK3-alpha; Kinase GSK3-alpha
Species Origin:	Human
UniProt ID:	P49840

# Peptide Structure

Peptide Name:	GSK3a (282-288) pY284+pY285
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	S282-P288
Peptide Sequence:	SR(pY)(pY)RAP(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

## Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1245.2
Observed Peptide Mass:	1244
% Peptide Purity:	97
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:	KMP04CAQ-01
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20 ℃

## **Applications**

Product Use:	Services as a blocking peptide for use with the GSK3a-pY284+Y285 rabbit polyclonal antibody (Cat. No.: PK650) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.
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This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit <u>www.kinexusproducts.ca</u> or contact us at 1-866-KINASES (546-2737)