

PE-04ARF95-P

PCYT1B (311-321) pS315+pS319 Peptide Powder

13-mer immunogen and phosphatase substrate phosphopeptide based on PCYT1B; CCTB



KINEXUS

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Target Protein

Name Long:	CTP: phosphocholine cytidyltransferase isoform B
Name Alias:	CCT B; CCT-beta; CCTB; Choline-phosphate cytidyltransferase B; CT B; CTB; CTP:phosphocholine cytidyltransferase B; PCY1B; PCYT1B; phosphate cytidyltransferase 1, choline, beta; Phosphorylcholine transferase B
Species Origin:	Human
UniProt ID:	Q9Y5K3

Peptide Structure

Peptide Name:	PCYT1B (311-321) pS315+pS319
Peptide Origin:	Near the C-terminus of the protein. This is the main in vivo phosphorylation site in PCYT1B.
Peptide Sequence Location:	L311-V321
Peptide Sequence:	LQAL(pS)PKQ(pS)PV(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:	1500.5
Observed Peptide Mass:	1499.7
% Peptide Purity:	94.5
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:	KSP04CBX
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Serves as a blocking peptide for use with the PCYT1B-pS315+pS319 rabbit polyclonal antibody (Cat. No.: PN546) 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.

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