

# PE-04AJZ95-P

## CK2a1 (252-258) pY255 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on CK2a1 (CSNK2A1)



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Casein protein-serine kinase 2 alpha/ alpha prime
<b>Name Alias:</b>	Casein kinase 2, alpha 1 polypeptide; Casein kinase II, alpha chain; CK II; CK2-alpha1; CKIIA; CSK21; CSNK2A1; Kinase CK2-alpha1;
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P68400

### Peptide Structure

<b>Peptide Name:</b>	CK2a1 (252-258) pY255
<b>Peptide Origin:</b>	In the last quarter of the kinase catalytic domain. This is the major in vivo phosphorylation site in CK2a.
<b>Peptide Sequence Location:</b>	E252-I258
<b>Peptide Sequence:</b>	EDL(pY)DYI(bA)C
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1184.1
<b>Observed Peptide Mass:</b>	1183.6
<b>% Peptide Purity:</b>	96.35
<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>	KMP04CAW-68
<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>	Serves as a blocking peptide for use with the CK2a-pY255 rabbit polyclonal antibody (Cat. No.: PK582) 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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