

# PE-01AQB95-P

## Syntide-2 KinSub Peptide Powder

15-mer kinase substrate peptide for assaying CaMK2a



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### Target Protein

<b>Name Long:</b>	Calcium/calmodulin-dependent protein-serine kinase 2 alpha
<b>Name Alias:</b>	Calcium/calmodulin-dependent protein kinase II alpha; Calcium/calmodulin-dependent protein kinase II alpha-B subunit; Calcium/calmodulin-dependent protein kinase type II alpha chain; CaM kinase II alpha subunit; CaMK2-alpha; CAMKA; CaMK-II alpha subunit; CaMKII-alpha; CaMKIINalpha; Kinase CaMK2-alpha; CaM-kinase II alpha chain; EC 2.7.11.17; KCC2A; KIAA0968
<b>UniProt ID:</b>	Q9UQM7

### Peptide Structure

<b>Peptide Name:</b>	Syntide-2 KinSub
<b>Peptide Sequence Location:</b>	Not applicable
<b>Peptide Sequence:</b>	PLARTLSVAGLPGKK
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	None

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1506.8
<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>	AS-22552
<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 activity of Calcium/calmodulin-dependent protein-serine kinase 2 alpha (CaMK2a, UniProt ID Q9UQM7) and protein kinase C isoforms.
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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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