

PE-01ADE95-P

MYL9 (12-23) KinSub Peptide Powder

13-mer kinase substrate peptide for assaying MRLC1 (MYL9)



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Target Protein

Name Long:	Myosin light chain C1 (A12-S23) human peptide; PHKG substrate
Name Alias:	MLC-Pep
Species Origin:	Human
UniProt ID:	P24844

Peptide Structure

Peptide Name:	MYL9 (12-23) KinSub
Peptide Origin:	Based on MYL9 phosphate-accepting domain
Peptide Sequence Location:	K13-F23
Peptide Sequence:	AKRPQRATSNVFS
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Acid
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1461.7
% Peptide Purity:	> 95
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:	M09-58
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	For assaying the phosphotransferase activities of Phosphorylase b kinase gamma catalytic chain, skeletal muscle isoform (PHKG1, UniProt ID Q16816), Phosphorylase b kinase gamma catalytic chain, testis-liver isoform (PHKG2, UniProt ID P15735), and Death-associated protein kinase 2 (DAPK2, UniProt ID Q9UIK4).
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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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