

PE-01BIO90-P

PDHKSubtide Peptide Powder

18-mer kinase substrate peptide for assaying PDK1 (PDHK1)



KINEXUS

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Target Protein

Name Long:	Pyruvate dehydrogenase kinase isoform 1; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1, mitochondrial
Name Alias:	Kinase Pyruvate dehydrogenase kinase 1; Pyruvate dehydrogenase [lipoamide] kinase isozyme 1, mitochondrial precursor; Pyruvate dehydrogenase kinase isoform 1; Pyruvate dehydrogenase kinase, isozyme 1; PDK1
UniProt ID:	Q15118

Peptide Structure

Peptide Name:	PDHKSubtide
Peptide Origin:	Developed by Kinexus based on alignment of known substrates and Kinexus Kinase Substrate Predictor v2.0 algorithm.
Peptide Sequence Location:	Not applicable
Peptide Sequence:	RRYHGHSMSPGVSYRTR
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	2335.6
Observed Peptide Mass:	2334.6
% Peptide Purity:	88.7
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:	KMP01CAS-09
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	For assaying the phosphotransferase activity of Pyruvate dehydrogenase kinase isoform 1; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1, mitochondrial (UniProt ID Q15118).
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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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