

PE-04AWJ90-P

MELK (159-170) pY163+pT167 Peptide Powder

19-mer immunogen and phosphatase substrate phosphopeptide based on MELK



KINEXUS

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Target Protein

Name Long:	Maternal embryonic leucine zipper kinase
Name Alias:	hMELK; hPK38; KIAA0175; Maternal embryonic leucine zipper kinase; MELK; pEg3 kinase; Protein kinase PK38
Species Origin:	Human
UniProt ID:	Q14680

Peptide Structure

Peptide Name:	MELK (159-170) pY163+pT167
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	G159-G170
Peptide Sequence:	GNKD(pY)HLQ(pT)CCG(pS)LA(pY)AAP
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	2547.6
Observed Peptide Mass:	2544.9
% Peptide Purity:	90.6
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:	KLP04CAD-10
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	This phosphopeptide may 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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