

PE-04AQP95-P

ZAK (158-165) pT161+pT162 Peptide Powder

10-mer immunogen and phosphatase substrate phosphopeptide based on MLTK (ZAK)



KINEXUS

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Target Protein

Name Long:	Mitogen-activated protein kinase kinase kinase MLT
Name Alias:	AZK; HCCS-4; Mixed lineage kinase-related kinase; MLK7; mlklak; MLK-like mitogen-activated protein triple kinase; MLT; MLTK; MRK; MRK-beta; Sterile alpha motif and leucine zipper containing kinase AZK ; MLK7; mlklak; ENSG00000091436
Species Origin:	Human
UniProt ID:	Q9NYL2

Peptide Structure

Peptide Name:	ZAK (158-165) pT161+pT162
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	H158-S165
Peptide Sequence:	HNH(pT)(pT)HMS(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1297.2
Observed Peptide Mass:	1296.7?
% 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:	KMP04CAX-131
Amount:	1 mg
Storage Conditions:	Frozen at -20 °C
Storage Stability:	Over 1 year at -20 °C

Applications

Product Use:	Serves as a blocking peptide for use with the MLTK-pT161+pT162 rabbit polyclonal antibody (Cat. No.: PK719) 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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