

# PE-04AQV65-P

## MLK3 (274-280) pT277+pS281 Peptide Powder

12-mer immunogen and phosphatase substrate phosphopeptide based on MLK3 (MAP3K11)



# KINEXUS

Address: 8755 Ash Street, Suite 1  
Vancouver, British Columbia,  
Canada V6P 6T3

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### Target Protein

<b>Name Long:</b>	Mixed-lineage protein-serine kinase 3; Mitogen-activated protein kinase kinase 11
<b>Name Alias:</b>	Kinase MLK3; M3K11; MAP3K11; MAPKKK11; MEKK11; Mitogen activated protein kinase kinase kinase 11; Mixed lineage kinase 3; MLK-3; SPRK; MGC17114; CCDS8107.1; ENSG00000173327
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q16584

### Peptide Structure

<b>Peptide Name:</b>	MLK3 (274-280) pT277+pS281
<b>Peptide Origin:</b>	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	W274-G280
<b>Peptide Sequence:</b>	WHK(pT)TQM(pS)AAGC
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1479.5
<b>Observed Peptide Mass:</b>	1479.8
<b>% Peptide Purity:</b>	66.6
<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>	KMP04CAY-05
<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>	Serves as a blocking peptide for use with the MLK3-pT277 + pS281 rabbit polyclonal antibody (Cat. No.: PK870) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.
---------------------	--

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit [www.kinexusproducts.ca](http://www.kinexusproducts.ca) or contact us at 1-866-KINASES (546-2737)