

# PE-01BIB75-P

## MEKSubtide Peptide Powder

15-mer kinase substrate peptide for assaying MEK1 (MKK1, MAP2K1)



# KINEXUS

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### Target Protein

<b>Name Long:</b>	MAPK/ERK protein-serine kinase 1 (MKK1); Dual specificity mitogen-activated protein kinase kinase 1
<b>Name Alias:</b>	ERK activator kinase 1; Kinase MEK1; MAP kinase kinase 1; MAP2K1; MAPK,ERK kinase 1; MAPK/ERK kinase 1; MAPKK 1; MAPKK1; MKK1; PRKMK1; CCDS10216.1; Q02750; ENSG00000169032
<b>UniProt ID:</b>	Q02750

### Peptide Structure

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

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1766.1
<b>Observed Peptide Mass:</b>	1764.9
<b>% Peptide Purity:</b>	77.9
<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>	KMP01CAR-29
<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>	For assaying the phosphotransferase activity of MAPK/ERK protein-serine kinase 1 (MKK1); Dual specificity mitogen-activated protein kinase kinase 1 (UniProt ID Q02750).
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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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