

# PE-01BIJ90-P

## mTORSubtide Peptide Powder

14-mer kinase substrate peptide for assaying mTOR (FRAP)



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Mammalian target of rapamycin (FRAP); FKBP12-rapamycin complex-associated protein
<b>Name Alias:</b>	DJ576K7.1; FK506 binding protein 12-rapamycin associated protein 1; FK506 binding protein 12-rapamycin associated protein 2; FK506-binding protein 12-rapamycin complex-associated protein 1; FKBP12-rapamycin complex-associated protein 1; FKBP-rapamycin associated protein; FLJ44809; FRAP; FRAP2; RAPT1; mTOR; CCDS127.1; ENSG00000198793
<b>UniProt ID:</b>	P42345

### Peptide Structure

<b>Peptide Name:</b>	mTORSubtide
<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>	RRPGSPGSPGSPAC
<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>	1395.6
<b>Observed Peptide Mass:</b>	1394.8
<b>% Peptide Purity:</b>	92.8
<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>	KMP01CAS-04
<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 Mammalian target of rapamycin (FRAP); FKBP12-rapamycin complex-associated protein (UniProt ID P42345).
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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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