

PE-04AQC80-P

TNK1 (274-280) pY277 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on TNK1



KINEXUS

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Target Protein

Name Long:	Non-receptor tyrosine-protein kinase TNK1
Name Alias:	CD38 negative kinase 1; MGC46193; ENSG00000174292
Species Origin:	Human
UniProt ID:	Q13470

Peptide Structure

Peptide Name:	TNK1 (274-280) pY277
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	R274-G280
Peptide Sequence:	RGR(pY)VMG(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:	1091.2
Observed Peptide Mass:	1091.5
% Peptide Purity:	80.36
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-118
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 TNK1-pY277 rabbit polyclonal antibody (Cat. No.: PK832) 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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