PE-04ALG90-P

TBK1 (169-175) pS172 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on TBK1

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Target Protein

Name Long:	TANK binding kinase TBK1; Serine/threonine-protein kinase TBK1
Name Alias:	FLJ11330; Kinase TBK1; NAK; NF-KB-activating kinase NAK; TANK binding kinase TBK1; TANK-binding kinase 1; CCDS8968.1; ENSG00000183735
Species Origin:	Human
UniProt ID:	Q9UHD2

Peptide Structure

Peptide Name:	TBK1 (169-175) pS172
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	Q169-G175
Peptide Sequence:	QFV(pS)LYG(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:	1067.1
Observed Peptide Mass:	1067.2
% Peptide Purity:	91
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:	KMP04CAW-101
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Services as a blocking peptide for use with the TBK1-pS172 rabbit polyclonal antibody (Cat. No.: PK828) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.