

PE-04AIA80-P

ACK1 (281-287) pY284 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on ACK1 (TNK2)



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Target Protein

Name Long:	Activated CDC42 kinase 1
Name Alias:	ACK; Activated Cdc42-associated kinase 1; Activated p21cdc42Hs kinase; Activated p21cdc42Hs kinase 1; Kinase ACK1; Non-receptor protein tyrosine kinase Ack; p21cdc42Hs; TNK2; Tyrosine kinase, non-receptor, 2; FLJ44758; FLJ45547; ENSG00000061938
Species Origin:	Human
UniProt ID:	Q07912

Peptide Structure

Peptide Name:	ACK1 (281-287) pY284
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	D281-Q287
Peptide Sequence:	DDH(pY)VMQ(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:	1160.2
Observed Peptide Mass:	1159.6
% Peptide Purity:	81.3
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-17
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 ACK1-pY284 rabbit polyclonal antibody (Cat. No.: PK511) 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.

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