

PE-04AAK95-P

JAK2 (1001-1012) pY1007 Peptide Powder

12-mer peptide based on JAK2



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Target Protein

Name Long:	Janus protein-tyrosine kinase 2
Name Alias:	JAK-2; Janus kinase 2; JTK10; Kinase Jak2 ; JAK2_ENST00000381652; JAK2_ENST00000381652; CCDS6457; A8K910; A9QVL8; B4DYV1; Q506Q0; Q52R86; Q8IXP2; ENSG00000096968
Species Origin:	Human
UniProt ID:	O60674

Peptide Structure

Peptide Name:	JAK2 (1001-1012) pY1007
Peptide Origin:	This phosphosite is located in the kinase activation loop between catalytic subdomains VII and VIII.
Peptide Sequence Location:	L1001-E1012
Peptide Sequence:	LPQDKE(pY)YKVKE
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1618.7
% Peptide Purity:	> 95
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	This phosphopeptide may 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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