

PE-04ADN80-P

ROS1 (2112-2118) pY2114+pY2115 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on Ros



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Orosomucoid 1 receptor-tyrosine kinase; Proto-oncogene tyrosine-protein kinase ROS1
Name Alias:	c-Ros oncogene 1 , receptor tyrosine kinase; c-Ros-1; KROS; MCF3; Proto-oncogene tyrosine-protein kinase ROS; ROS1; V-ros UR2 sarcoma virus oncogene homolog 1 (avian); V-ros UR2 sarcoma virus oncogene homologue 1 (avian); MGC163394; ENSG00000169071
Species Origin:	Human
UniProt ID:	P08922

Peptide Structure

Peptide Name:	ROS1 (2112-2118) pY2114+pY2115
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	N2112-R2118
Peptide Sequence:	ND(pY)(pY)RKR(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:	1348.3
Observed Peptide Mass:	1346.4
% Peptide Purity:	77.8
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:	KMP04CAT-39
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 Ros-pY2114+pY2115 rabbit polyclonal antibody (Cat. No.: PK803) 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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