PE-04ANI99-P

LIMK1 (505-511) pT508 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on LIMK1

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

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

Target Protein

Name Long:	LIM domain kinase 1
Name Alias:	Kinase LIMK1; KIZ; KIZ-1; LIMK; LIMK-1; CCDS5563.1; P53667; Q75MU0; Q75MU4; ENSG00000106683
Species Origin:	Human
UniProt ID:	P53667

Peptide Structure

Peptide Name:	LIMK1 (505-511) pT508
Peptide Origin:	In the protein kinase catalytic domain.
Peptide Sequence Location:	K505-G511
Peptide Sequence:	KRY(pT)VVG(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:	1075.2
Observed Peptide Mass:	1076.9
% Peptide Purity:	99.62
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-46
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 LIMK1-pT508 rabbit polyclonal antibody (Cat. No.: PK681) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.

This product is for in vitro research use only and is not intended for use in humans or animals.