

PE-04ARV95-P

AurB (219-230) pS222+pS227 Peptide Powder

12-mer immunogen and phosphatase substrate phosphopeptide based on AurKB (Aurora B, AIM-1)



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:	Aurora Kinase B (serine/threonine protein kinase 12)
Name Alias:	AIK2; AIM1; AIM-1; ARK2; AURKB; Aurora, IPL1-related kinase 2; Aurora-2; Aurora-B; STK12; AURKB; IPL1; STK12; STK5; CCDS11134.1; ENSG00000178999
Species Origin:	Human
UniProt ID:	Q96GD4

Peptide Structure

Peptide Name:	AurB (219-230) pS222+pS227
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	F219-R230
Peptide Sequence:	FGW(pS)VHAP(pS)LRR
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1745.8
Observed Peptide Mass:	1745.6
% Peptide Purity:	93.1
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:	KLP04CAA-08
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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