

PE-04AHR99-P

NEK7 (191-198) pT191+pS195 Peptide Powder

10-mer immunogen and phosphatase substrate phosphopeptide based on NEK7



KINEXUS

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Target Protein

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|------------------------|---|
| Name Long: | NIMA (never-in-mitosis)-related protein-serine kinase 7 |
| Name Alias: | Kinase Nek7; NIMA (never in mitosis gene a)-related kinase 7; NIMA-related serine/threonine kinase NEK7 |
| Species Origin: | Human |
| UniProt ID: | Q8TDX7 |

Peptide Structure

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|-------------------------------------|--|
| Peptide Name: | NEK7 (191-198) pT191+pS195 |
| Peptide Origin: | In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII. |
| Peptide Sequence Location: | T191-G198 |
| Peptide Sequence: | (pT)AAH(pS)LVG(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

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| Peptide Production Method: | Solid-phase peptide synthesis |
| Calculated Peptide Mass: | 1088.0 |
| Observed Peptide Mass: | 1087.9 |
| % Peptide Purity: | 100 |
| 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-08 |
| Amount: | 1 mg |
| Storage Conditions: | Frozen at -20°C |
| Storage Stability: | Over 1 year at -20°C |

Applications

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| Product Use: | Serves as a blocking peptide for use with the Nek7-pT191+S195 rabbit polyclonal antibody (Cat. No.: PK735) 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)