

PE-01AKR95-P

KinSub3RRMSF Peptide Powder

15-mer kinase substrate peptide for assaying PAK4



KINEXUS

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Target Protein

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|--------------------|--|
| Name Long: | p21-activated kinase 4 |
| Name Alias: | P21-activated kinase 4; CCDS12528.1; ENSG00000130669 |
| UniProt ID: | O96013 |

Peptide Structure

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|-------------------------------------|---|
| Peptide Name: | KinSub3RRMSF |
| Peptide Origin: | KinSub3RRMSF was originally identified using a microarray with peptides that were predicted as optimal substrates for 500 human protein kinases with a proprietary algorithm developed at Kinexus with our academic partners. |
| Peptide Sequence Location: | Not applicable |
| Peptide Sequence: | GGDGRRMSFDGCGGG |
| Peptide N-Terminus: | Free amino |
| Peptide C-Terminus: | Amide |
| Peptide Modifications Other: | None |

Production

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|-----------------------------------|---|
| Peptide Production Method: | Solid-phase peptide synthesis |
| Calculated Peptide Mass: | 1427.6 |
| % 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

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| Product Use: | For assaying the phosphotransferase activity of p21-activated kinase 4 (PAK4, UniProt ID O96013). The KinSub3RRMSF peptide demonstrated high phosphotransferase activity with PAK5 (PAK7), and exhibited very high specificity when assayed with over 200 other protein kinases. A listing of other kinases that show appreciable phosphotransferase activity towards this peptide are listed in Table 1. |
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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)