# PE-04AAU95-P

## CDK3 (156-162) pT158+pY159 Peptide Powder

12-mer immunogen and phosphatase substrate phosphopeptide based on CDK3

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## Target Protein

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| **Name Long:** | Cyclin-dependent protein-serine kinase 3 |
| **Species Origin:** | Human |
| **UniProt ID:** | Q00526 |

## Peptide Structure

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| **Peptide Name:** | CDK3 (156-162) pT158+pY159 |
| **Peptide Origin:** | In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII. |
| **Peptide Sequence Location:** | L156-E162 |
| **Peptide Sequence:** | LRpTpYpTHE(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:** | 1374.2 |
| **Observed Peptide Mass:** | 1373.5 |
| **% 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 |
| **Lot Number:** | KMP04CAN-06 |
| **Amount:** | 1 mg |
| **Storage Conditions:** | Frozen at -20°C |
| **Storage Stability:** | Over 1 year at -20°C |

## Applications

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| **Product Use:** | This phosphopeptide may be useful as a substrate for screening the phosphatase activity of protein phosphatases. |