

# PE-04ASK95-S

## CDK2 (155-163) pT158+pY159+pT160 Peptide Solution

9-mer immunogen and phosphatase substrate phosphopeptide based on CDK2



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### Target Protein

|                        |  |
|------------------------|--|
| <b>Name Long:</b>      | Cyclin-dependent protein-serine kinase 2   |
| <b>Name Alias:</b>     | Cyclin-dependent kinase 2; Kinase Cdk2; p33 protein kinase; p33(CDK2); CCDS8898.1; ENSG00000123374 |
| <b>Species Origin:</b> | Human  |
| <b>UniProt ID:</b>     | P24941   |

### Peptide Structure

|                                     |  |
|-------------------------------------|--|
| <b>Peptide Name:</b>                | CDK2 (155-163) pT158+pY159+pT160   |
| <b>Peptide Origin:</b>              | In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII. |
| <b>Peptide Sequence Location:</b>   | P155-V163  |
| <b>Peptide Sequence:</b>            | PVR(pT)(pY)(pT)HEV   |
| <b>Peptide N-Terminus:</b>          | Free amino   |
| <b>Peptide C-Terminus:</b>          | Amide  |
| <b>Peptide Modifications Other:</b> | Phosphorylated   |

### Production

|                                   |   |
|-----------------------------------|---|
| <b>Peptide Production Method:</b> | Solid-phase peptide synthesis                         |
| <b>Calculated Peptide Mass:</b>   | 1514.4  |
| <b>Observed Peptide Mass:</b>     | 1514.9  |
| <b>% Peptide Purity:</b>          | 95.9  |
| <b>Peptide Appearance:</b>        | Clear liquid  |
| <b>Peptide Form:</b>              | Solution  |
| <b>Peptide Solubility:</b>        | Supplied at 1 mg/ml concentration in 5% DMSO in water |
| <b>Lot Number:</b>                | KLP04CAA-14   |
| <b>Amount:</b>                    | 250 µg  |
| <b>Storage Conditions:</b>        | Frozen at -20 °C                                      |
| <b>Storage Stability:</b>         | Over 6 months at -20 °C and 1 mg/ml concentration     |

### Applications

|                     |  |
|---------------------|--|
| <b>Product Use:</b> | This phosphopeptide may 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.

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