

# PE-04ASV90-P

## CLK1 (334-348) pS337+pT338+pS341+pT342+pY345 Peptide Powder



15-mer immunogen and phosphatase substrate phosphopeptide based on CLK1

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### Target Protein

|                        |   |
|------------------------|---|
| <b>Name Long:</b>      | Dual specificity protein kinase CLK1      |
| <b>Name Alias:</b>     | CDC like kinase 1; CDC-like kinase 1; CLK |
| <b>Species Origin:</b> | Human                                     |
| <b>UniProt ID:</b>     | P49759                                    |

### Peptide Structure

|                                     |  |
|-------------------------------------|--|
| <b>Peptide Name:</b>                | CLK1 (334-348) pS337+pT338+pS341+pT342+pY345   |
| <b>Peptide Origin:</b>              | In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII. |
| <b>Peptide Sequence Location:</b>   | E334-P348  |
| <b>Peptide Sequence:</b>            | EHH(pS)(pT)LV(pS)(pT)RH(pY)RAP   |
| <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>   | 2364.1  |
| <b>Observed Peptide Mass:</b>     | 2363.3  |
| <b>% Peptide Purity:</b>          | 90.4  |
| <b>Peptide Appearance:</b>        | White powder  |
| <b>Peptide Form:</b>              | Solid   |
| <b>Peptide Solubility:</b>        | Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer |
| <b>Lot Number:</b>                | KLP04CAB-03   |
| <b>Amount:</b>                    | 1 mg  |
| <b>Storage Conditions:</b>        | Frozen at -20 °C  |
| <b>Storage Stability:</b>         | Over 1 year at -20 °C   |

### 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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