

# PE-04AAF95-P

## EGFR (1009-1023) pY1016 Peptide Powder

15-mer peptide based on EGFR (ErbB1)



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### Target Protein

|                        |   |
|------------------------|---|
| <b>Name Long:</b>      | Epidermal growth factor receptor-tyrosine kinase  |
| <b>Name Alias:</b>     | EGFR; Epidermal growth factor receptor; ErbB-1; ErbB, mENA; HER1; Receptor tyrosine-protein kinase ErbB-1; V-erb-b oncogene homologue; PIG61; CCDS5514.1; ENSG00000146648 |
| <b>Species Origin:</b> | Human   |
| <b>UniProt ID:</b>     | P00533  |

### Peptide Structure

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| <b>Peptide Name:</b>                | EGFR (1009-1023) pY1016              |
| <b>Peptide Origin:</b>              | Internal sequence in target protein. |
| <b>Peptide Sequence Location:</b>   | D1009-F1023                          |
| <b>Peptide Sequence:</b>            | DVVDADE(pY)LIPQQGF                   |
| <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>   | 1787.8  |
| <b>% Peptide Purity:</b>          | > 95  |
| <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>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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