

# PE-04AUS01-S

## GSK3a (280-287) pS282+pY284+pY285 Peptide Solution

8-mer immunogen and phosphatase substrate phosphopeptide based on GSK3a



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### Target Protein

|                        |   |
|------------------------|---|
| <b>Name Long:</b>      | Glycogen synthase-serine kinase 3 alpha   |
| <b>Name Alias:</b>     | DKFZp686D0638; Factor A; Glycogen synthase kinase 3 alpha; GSK-3 alpha; GSK3-alpha; Kinase GSK3-alpha |
| <b>Species Origin:</b> | Human   |
| <b>UniProt ID:</b>     | P49840  |

### Peptide Structure

|                                     |  |
|-------------------------------------|--|
| <b>Peptide Name:</b>                | GSK3a (280-287) pS282+pY284+pY285  |
| <b>Peptide Origin:</b>              | In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII. |
| <b>Peptide Sequence Location:</b>   | I280-A287  |
| <b>Peptide Sequence:</b>            | IC(pS)R(pY)(pY)RA  |
| <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>% Peptide Purity:</b>          | Spot  |
| <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>                | KMP04CAH-66   |
| <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. |
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This product is for in vitro research use only and is not intended for use in humans or animals.

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