

# PE-01BCB95-P

## AMPKa1 (321-335) Peptide Powder

15-mer immunogen peptide based on AMPKa1 (PRKAA1)



# KINEXUS

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### Target Protein

|                        |  |
|------------------------|--|
| <b>Name Long:</b>      | 5'-AMP-activated protein kinase catalytic subunit alpha-1  |
| <b>Name Alias:</b>     | 5'-AMP-activated protein kinase, catalytic alpha-1 chain; AAPK1; Acetyl-CoA carboxylase kinase; AMPK alpha-1 chain; AMPK, alpha, 1; AMPK-alpha1; HMG-CoA reductase kinase; HMG-CoA reductase kinase; PRKAA1; Protein kinase, AMP-activated, alpha 1 catalytic subunit; MGC33776; MGC57364; CCDS3932.1; ENSG00000132356 |
| <b>Species Origin:</b> | Human  |
| <b>UniProt ID:</b>     | Q13131   |

### Peptide Structure

|                                     |  |
|-------------------------------------|--|
| <b>Peptide Name:</b>                | AMPKa1 (321-335)   |
| <b>Peptide Origin:</b>              | After catalytic domain in region not conserved with AMPKa2 |
| <b>Peptide Sequence Location:</b>   | C321-Y335  |
| <b>Peptide Sequence:</b>            | CLYNRNHQDPLAVAY  |
| <b>Peptide N-Terminus:</b>          | Free amino   |
| <b>Peptide C-Terminus:</b>          | Amide  |
| <b>Peptide Modifications Other:</b> | None   |

### Production

|                                   |   |
|-----------------------------------|---|
| <b>Peptide Production Method:</b> | Solid-phase peptide synthesis   |
| <b>Calculated Peptide Mass:</b>   | 1776.0  |
| <b>Observed Peptide Mass:</b>     | 1775.9  |
| <b>% Peptide Purity:</b>          | 94.8  |
| <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>                | KMP01CAT-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> | Serves as a blocking peptide for use with the AMPKa1-AKCD rabbit polyclonal antibody (Cat. No.: NK259-1) that is also available from Kinexus. |
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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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