

# Recombinant Mouse Prkaa1 protein, His-tagged

**Cat. No.** Prkaa1-2312M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Prkaa1 protein(Q5EG47)(1-559aa), fused to N-terminal His tag, was expressed in Insect Cell.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-559aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 65 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | <p>MRRLSSWRKMATAEKQKHDGRVKIGHYILGDTLGVGTFGKVKVGKHELTGHKVAVK<br/> ILNRQKIRSLDVVGKIRREIQNLKLFRRPHIHKLYQVISTPSDIFMVMYVSGGELFDYIC<br/> KNGRLDEKESRRLFQQILSGVDYCHRHMVVRDLKPENVLDAHMNAKIADFGLSN<br/> MMSDGEFLRTSCGSPNYAAPEVISGRLYAGPEVDIWSSGVILYALLCGTLPFDDDHV<br/> PTLFKKICDGIFYTPQYLNPSVISLLKHMLQVDPMKRAAIKDIREHEWFKQDLPKYLF<br/> EDPSYSSTMIDDEALKEVCEKFECSEEEVLSCLYNRNHQDPLAVAYHLIIDNRRIMNE<br/> AKDFYLATSPPDSDLDDHHLTRPHPERVPFLVAETPRARHTLDELNPQKSKHQGVR<br/> KAKWHLGIRSQSRPNDIMAEVCRAIKQLDYEWKVVNPYYLRVRRKNPVTSTFSKMS<br/> LQLYQVDSRTYLLDFRSIDDEITEAKSGTATPQRSGSISNYRSCQRSDSDAEAQGKP</p> |

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SDVSLTSSVTSLDSSPVDVAPRPGSHTIEFFEMCANLIKILAQ

**Purity**

Greater than 85% as determined by SDS-PAGE.

**Storage**

Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Reconstitution**

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name**

Prkaa1 protein kinase, AMP-activated, alpha 1 catalytic subunit [ Mus musculus ]

**Official Symbol**

Prkaa1

**Synonyms**

PRKAA1; protein kinase, AMP-activated, alpha 1 catalytic subunit; 5-AMP-activated protein kinase catalytic subunit alpha-1; AMPK subunit alpha-1; tau-protein kinase PRKAA1; AMP-activated protein kinase, alpha 1 catalytic subunit; AI194361; AI450832; AL024255; AMPKalpha1; C130083N04Rik;

**Gene ID**

105787

**mRNA Refseq**

NM\_001013367

**Protein Refseq**

NP\_001013385

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