

## Recombinant Mouse Prkaa1 protein, His-tagged

Cat. No. Prkaa1-4504M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Prkaa1 protein(Q5EG47)(1-312aa), fused to N-terminal His tag, was expressed in E. coli
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-312aa
<b>Form</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Molecular Mass</b>	39.8 kDa
<b>AA Sequence</b>	MRRLSSWRKMATAEKQKHDGRVKIGHYILGDTLGVGTFGKVKVKGKHELTGHKVAVK ILNRQKIRSLDVVGKIRREIQNLKLFRRPHIHKLYQVISTPSDIFMVM EYVSGGELFDYIC KNGRLDEKESRRLFQQILSGVDYCHRHMVVRDLKPENVLDDAHMNAKIADFGLSN MMSDGEFLRTSCGSPNYAAPEVISGRLYAGPEVDIWSSGVILYALLCGTLPFDDDHV PTLFKKICDGIFYTPQYLNPSVISLLKHMLQVDPMKRAAIKDIREHEWFKQDLPKYLFP EDPSYSSTMIDDEALKEVCEKFE
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.

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**Storage** Store at -20°C/-80°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%.

## 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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