

## Recombinant Human PRKAA1 Protein, His-tagged

Cat. No. PRKAA1-3871H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PRKAA1 Protein(1-207 aa), fused with N-terminal His tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-207 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
<b>AASequence</b>	MATAEKQKHDGRVKIGHYILGDTLGVGTFGKVKVGKHELTGHKVAVKILNRQKIRSL DVVGKIRREIQNLKLFRRPHIIKLYQVISTPSDFIMVMEYVSGGELFDYICKNGRLDEK ESRRLFQQILSGVDYCHRHMVVHRDLKPENVLLDAHMNAKIADFGLSNMMSDGEFL RTSCGSPNYAAPEVISGRDCNIIRILTSQFTNYQH
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
<b>Reconstitution</b>	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. After

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reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

**protein Refseq-Weblink** [http://www.ncbi.nlm.nih.gov/protein/NP\\_006242.5](http://www.ncbi.nlm.nih.gov/protein/NP_006242.5)

**Unit ID** Q13131

**Unit ID-Weblink** <https://www.uniprot.org/uniprot/Q13131>

## GENE INFORMATION

**Gene Name** [PRKAA1 protein kinase, AMP-activated, alpha 1 catalytic subunit \[ Homo sapiens \]](#)

**Official Symbol** [PRKAA1](#)

**Synonyms** PRKAA1; protein kinase, AMP-activated, alpha 1 catalytic subunit; 5-AMP-activated protein kinase catalytic subunit alpha-1; AMPK; alpha; 1; AMPKa1; AMPK alpha 1; AMPK subunit alpha-1; tau-protein kinase PRKAA1; AMP -activate kinase alpha 1 subunit; AMP-activated protein kinase, catalytic, alpha-1; 5-AMP-activated protein kinase, catalytic alpha-1 chain; MGC33776; MGC57364;

**Gene ID** [5562](#)

**mRNA Refseq** [NM\\_006251](#)

**protein Refseq** [NP\\_006242](#)

**MIM** [602739](#)

## SDS-PAGE

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