

Recombinant Human PRKAA1 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human PRKAA1 Protein(1-207 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-207 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
AASequence	MATAEKQKHDGRVKIGHYILGDTLGVGTFGKVKVGKHELTGHKVAVKILNRQKIRSL DVVGKIRREIQNLKLFRRPHIIKLYQVISTPSDIFMVM EYVSGGELFDYICKNGRLDEK ESRRLFQQILSGVDYCHRHMVVHRDLKPENVLLDAHMNAKIADFGLSNMMSDGEFL RTSCGSPNYAAPEVISGRDCNIIRILTSQFTNYQH
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

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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