

## Active Recombinant Full Length Human / AMPK (A1/B2/G1)PRKAA1 Protein, DDK/GST-tagged, Biotinylated

Cat. No. PRKAA1-6297HF Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Full-length human AMPK $\alpha$ 1 [1-550(end) amino acids of accession number NP\_006242.4] was co- expressed as N-terminal DYKDDDDK tagged, biotinylated protein (67 kDa) with GST-PRKAB2 [1- 272(end) amino acids of accession number NP\_005390.1] and PRKAG1 [1-331(end) amino acids of accession number NP\_002724.1] using baculovirus expression system. The protein was purified by using DYKDDDDK tag antibody agarose and activated with His-tagged CaMKK1. Activated protein was purified by using DYKDDDDK tag antibody agarose.

**Species** Human

**Source** Sf21 Cells

**ProteinLength** 1-550(end)

**Form** 50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5

**Bio-activity** The activity was measured by off-chip mobility shift assay(MSA). The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by MSA device.

**Purity** 100%

**Applications** SDS-PAGE

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**Storage** Store at -80C. Avoid repeating freeze-thaws.

**Conjugation** Biotin

## GENE INFORMATION

**Gene Name** protein kinase, AMP-activated, alpha 1 catalytic subunit

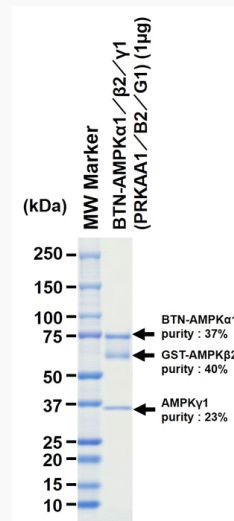
**Official Symbol** PRKAA1

**Synonyms** PRKAA1;AMPK;AMPKa1

**Protein Refseq** [NP\\_006242.4](#)

**UniProt ID** [Q13131](#)

## SDS-PAGE



The purity was assessed by SDS-PAGE/CBB staining.

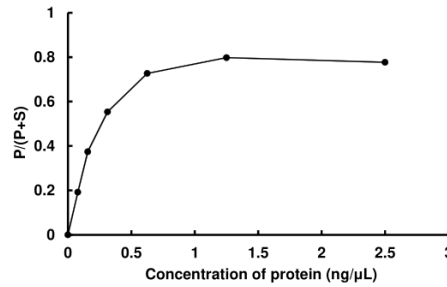
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Activity data

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