

Active Recombinant Full Length Human / AMPK (A1/B1/G1)PRKAA1 Protein, DDK/GST-tagged, Biotinylated

Cat. No. PRKAA1-9836HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full-length human AMPKα1 [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-PRKAB1 [1- 270(end) amino acids of accession number NP_006244.2] 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

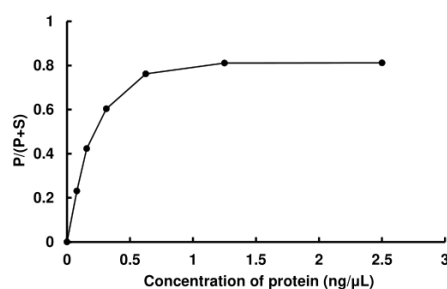
Synonyms PRKAA1;AMPK;AMPKa1

Protein Refseq [NP_006242.4](#)

UniProt ID [Q13131](#)

Activity data

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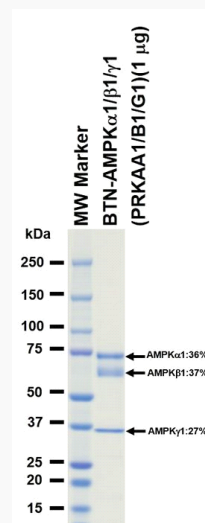
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SDS-PAGE



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

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