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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

AMPK (A1/B1/G1), His-tag

Human, recombinant, C-terminal His-tag
Catalog #: 40025
Lot #: 190613-1 **Conc.:** 0.30 mg/ml

Fomulated in: 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.25 mM DTT, 25% glycerol.

Stability: At least 6 months at -80°C . Avoid freeze/thaw cycles.

References:

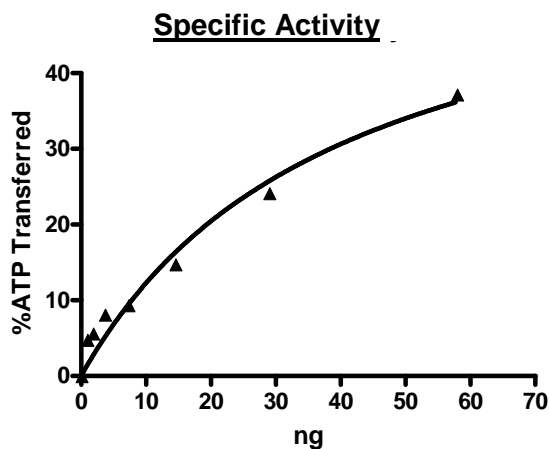
1. Minokoshi, Y. *et al. Nature* **428**: 569-574, 2004.
2. Hardie, D G. *et al. Eur J Biochem.* 1997 Jun 1; **246(2)**:259-73.

Description: Recombinant full-length human AMPK (combination of A1/B1/G1 subunits) was expressed by baculovirus in Sf9 insect cells using a C-terminal His-tag. The Genbank accession number for the three subunits (A1/B1/G1) is NM_006251, NM_006253, and NM_002733, respectively. This protein has been activated with CAMKK.

Specific Activity: ≥ 300 pmol/min/ μg
 Assay Buffer: Assay was done in Kinase buffer containing 1 mM DTT using AMARA peptide as a substrate (0.1 mg/ml), 20 μM ATP and 100 μM AMP. Reaction was done at 30°C for 45 min. Amount of ATP transferred was calculated using Kinase-Glo reagent (Promega)

Application: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Assurance



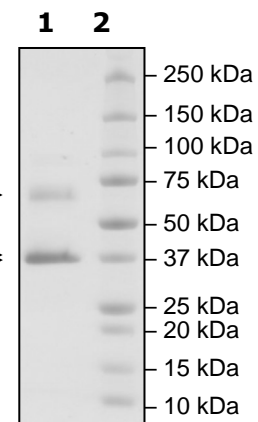
**4-20% SDS-PAGE
 Coomassie staining**

Lane 1:
AMPK

Lane 2:
Protein Marker

Purity: $\geq 90\%$

MW:
 AMPKa1: 65kDa
 AMPKg1: 38kDa
 AMPKb1: 31kDa



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