

# Recombinant Rat AMPK alpha2 Protein (His Tag)

RPES9109

## Description

---

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

---

**SKU:** RPES9109

**Purity:** > 85% as determined by reducing SDS-PAGE.

**Contents:** 100µg, 20µg, 500µg, 1mg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Rat

**Endotoxin:** < 10 EU/mg of the protein as determined by the LAL method

**Synonyms:** 5'-AMP-activated protein kinase catalytic subunit alpha-2, AAPK2, ACACA kinase, AMPK alpha 2 chain, AMPK subunit alpha-2, AMPK2, AMPKa2, AMPKalpha2, Acetyl-CoA carboxylase kinase, HMGCR kinase, Hydroxymethylglutaryl-CoA reductase kinase, PRKAA, PRKAA2, Protein kinase

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** N-His

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** E.coli

**Bio-Activity:** Not validated for activity

**Calculated MW:** 20.0 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

**Observed MW:** 22.3 kDa

**Reconstitution:** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

**Accession:** Q09137-1

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Source:** E.coli-derived Rat AMPK alpha2 protein Tyr16-Val195, with an N-terminal His

**Sequence:** Tyr16-Val195

**Form:** Lyophilized powder

this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.