

## AMPK (G1/B1/A1) Heterotrimer Protein, Human, Recombinant (His & GST)

### General Information

Protein Construction:	A DNA sequence encoding the human PRKAG1 (P54619-1) (Met1-Pro331), constructed the plasmid 1; A DNA sequence encoding the human PRKAB1 (Q9Y478-1) (Met1-Ile270), constructed the plasmid 2; A DNA sequence encoding the human PRKAA1 (Q13131-1) (Met1-Gln559) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus, constructed the plasmid 3. The three plasmids were co-expressed and the heterotrimer was purified. Predicted N terminal: Met & Met & Met
Species:	Human
Expression Host:	Baculovirus Insect Cells
Accession:	P54619-1&Q9Y478-1&Q13131-1
Molecular Weight:	160 kDa (predicted); 38 (PRKAB1), 40 (PRKAG1) & 95 (PRKAA1) kDa (reducing conditions)

### QC Testing

Biological Activity:	The specific activity was determined to be 6 nmol/min/mg using synthetic SAMS peptide (HMRSAMSGHLHLVKRR) as substrate.
Purity:	> 85 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Supplied as sterile 20 mM Tris, 300 mM NaCl, 10% Glycerol, pH 7.5.

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

It is recommended to store the product under sterile conditions at -20°C to -80°C. Samples are stable for up to 12 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

Proteins are shipped with blue ice.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

**This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use**

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