

AMPK (G1/B1/A2) Heterotrimer Protein, Human, Recombinant (His & GST)

General Information

Protein Construction:	A DNA sequence encoding the human PRKAG1 (P54619) (Met 1-Pro 331), constructed the plasmid 1; A DNA sequence encoding the human PRKAB1 (O43741) (Met 1-Ile 272), constructed the plasmid 2; A DNA sequence encoding the human PRKAA2 (P54646) (Met 1-Arg 552) 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 & His
Species:	Human
Expression Host:	Baculovirus Insect Cells
Accession:	P54619&O43741&P54646
Molecular Weight:	158 kDa (predicted); 40, 42 & 95 kDa (reducing conditions)

QC Testing

Biological Activity:	The specific activity was determined to be 4 nmol/min/mg using synthetic SAMS peptide (HMRSAMSGHLHLVKRR) as substrate.
Purity:	> 94 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Supplied as sterile 50 mM Tris, 200 mM NaCl, 1 mM EDTA, 1 mM DTT, 0.5 mM PMSF, 10% gly, 1 mM GSH, pH 7.4.

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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