

Active Recombinant Human PRKAG1&PRKAB1&PRKAA2 protein, His&GST-tagged

Cat. No. PRKAG1&PRKAB1&PRKAA2-2208H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRKAG1&PRKAB1&PRKAA2 protein(P54619 & O43741 & P54646)(Met1-Pro331 & Met1-Ile272 & Met1-Arg552), fused with His&GST tag, was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	Met1-Pro331 & Met1-Ile272 & Met1-Arg552
Form	Supplied as sterile 50mM Tris, 200mM NaCl, 1mM EDTA, 1mM DTT, 0.5mM PMSF, 10% gly, 1mM GSH, pH 7.4.
Bio-activity	The specific activity was determined to be 4 nmol/min/mg using synthetic SAMS peptide (HMRSAMSGHLHLVKRR) as substrate.
Molecular Mass	The recombinant heterotrimer of human AMPK (PRKAG1 / PRKAB1 / PRKAA2) has a calculated molecular mass of 158 (38+30+90) KDa. The apparent molecular mass is approximately 40, 42 & 95 KDa respectively in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 94 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name PRKAG1 protein kinase, AMP-activated, gamma 1 non-catalytic subunit [Homo sapiens]

Official Symbol PRKAG1

Synonyms PRKAG1; protein kinase, AMP-activated, gamma 1 non-catalytic subunit; 5-AMP-activated protein kinase subunit gamma-1; AMPK gamma1; AMPK gamma-1 chain; 5-AMP-activated protein kinase, gamma-1 subunit; AMPKG; MGC8666;

Gene ID 5571

mRNA Refseq NM_001206709

Protein Refseq NP_001193638

MIM 602742

UniProt ID P54619

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