

Kinase Recombinant Protein | PRKAG1 recombinant protein

Recombinant Human Protein Kinase, AMP-Activated, Gamma 1

CATALOG #
AAA38406

HOST
E Coli

PRODUCT SYNONYMS

Kinase; Recombinant Human Protein Kinase; AMP-Activated; Gamma 1; PRKAG1 Human; Protein Kinase; Gamma 1 Human Recombinant; Protein Kinase AMP-Activated Gamma 1 Non-Catalytic Subunit; 5'-AMP-Activated Protein Kinase Subunit Gamma-1; AMPK Gamma1 Chain; AMPKg; PRKAG1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 85.0% as determined by SDS-PAGE.
Form/Format	The PRKAG1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Sterile Filtered clear solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMGS METVISSDSS PAVENEHPQE TPESNNSVYT SFMKSHRCYD LIPTSSKLVV FDTSLQVKKA FFALVTNGVR AAPLWDSKKQ SFVGMLTITD FINILHRYRK SALVQIYELE EHKIETWREV YLQDSFKPLV CISPNASLFD AVSSLIRNKI HRLPVIDPES GNTLYILTHK RILKFLKLF I TEFPKPEFMS KSLEELQIGT YANIAMVRTT TPVYVALGIF VQHRVSALPV VDEKGRVVDI YSKFDVINLA AEKTYNNLDV SVTKALQHRS HYFEGVLKCY LHETLETIIN RLVEAEVHRL VVVDENDVVK GIVSLSDILQ ALVLTGGEKK P
Sequence Length	340

ADDITIONAL INFORMATION

Related Product Information for PRKAG1 recombinant protein	Description: PRKAG1 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 354 amino acids (1-331) and having a molecular mass of 40.0kDa. PRKAG1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: PRKAG1 is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer comprised of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is a vital energy-sensing enzyme which supervises cellular energy status. PRKAG1 is one of the gamma regulatory subunits of AMPK. Alternatively spliced transcript variants encoding dissimilar isoforms were found.
Product Categories/Family for PRKAG1 recombinant protein	Protein Kinases; Enzymes; Protein Kinases

NCBI AND UNIPROT INFORMATION

NCBI GI #	332000015
NCBI GeneID	5571
NCBI Accession #	NP_001193638.1
NCBI GenBank Nucleotide #	NM_001206709.1
UniProt Accession #	P54619; Q8N7V9; B4DDT7
Molecular Weight	38,533 Da
NCBI Official Full Name	5'-AMP-activated protein kinase subunit gamma-1 isoform 3

NCBI Official Synonym Full Names	protein kinase, AMP-activated, gamma 1 non-catalytic subunit
NCBI Official Symbol	PRKAG1
NCBI Official Synonym Symbols	AMPKG
NCBI Protein Information	5'-AMP-activated protein kinase subunit gamma-1; 5'-AMP-activated protein kinase, gamma-1 subunit; AMPK gamma-1 chain; AMPK gamma1
UniProt Protein Name	5'-AMP-activated protein kinase subunit gamma-1
UniProt Gene Name	PRKAG1
UniProt Synonym Gene Names	AMPK gamma1; AMPK subunit gamma-1; AMPKg
UniProt Entry Name	AAKG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/prkag1-recombinant-protein-e-coli/38406>