

Protein Kinase, AMP-Activated, Gamma 1 Human Recombinant

Item Number	rAP-1727
Synonyms	Protein Kinase AMP-Activated Gamma 1 Non-Catalytic Subunit, 5'-AMP-Activated Protein Kinase Subunit Gamma-1, AMPK Gamma1 Chain, AMPKg.
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.
Uniprot Accession Number	P54619
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEVISS DSSPAVENEH PQETPESNNS VYTSFMKSHR CYDLIPTSSK LVVFDTSLVV KKAFFALVTN GVRAAPLWDS KKQSFVGMILT ITDFINILHR YYKSALVQIY ELEEKTIETW REVYLQDSFK PLVCISPNAS LFDAVSSLIR NKIHRLPVID PESGNTLYIL THKRILKFLK LFITEFPKPE FMSKSLEELQ IGTYANIAMV RTTTPVYVAL GIFVQHRVSA LPVVDEKGRV VDIYSKFDVI NLAAEKTYNN LDVSVTKALQ HRSHYFEGVL KCYLHETLET IINRLVEAEV HRLVVVDEND VVKGIVSLSD ILQALVLTGG EKKP
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The PRKAG1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**