

32-3103: PRKAG1 Recombinant Protein

Alternative Name : Protein Kinase AMP-Activated Gamma 1 Non-Catalytic Subunit, 5'-AMP-Activated Protein Kinase Subunit Gamma-1, AMPK Gamma1 Chain, AMPKγ.

Description

Source : Escherichia Coli. 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. 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 Info

Amount :	10 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The PRKAG1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSSLVPRGSH MGSMETVISS DSSPAVENEH PQETPESNNS VYTSFMKSHR CYDLIPTSSK LVVFDTSLQV KKAFFALVTN GVRAAPLWDS KKQSFVGMLT ITDFINILHR YYKSALVQIY ELEEHHKIETW REVYLQDSFK PLVCISPNAS LFDVSSLIR NKIHRPLVID PESGNTLYIL THKRILKFLK LFITEFPKPE FMSKSLEELQ IGTYANIAMV RTTTPVYVAL GIFVQHRVSA LPVVDEKGRV VDIYSKFDVI NLAAEKTNN LDVSVTKALQ HRSHYFEGVL KCYLHETLET IINRLVEAEV HRLVVVDEND VVKGIVSLSD ILQALVLTGG EKKP

