

Recombinant Human PRKAG2 protein, His-tagged

Cat. No. PRKAG2-234H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRKAG2, transcript variant c, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	AMP-activated protein kinase (AMPK) is a heterotrimeric protein composed of a catalytic alpha subunit, a noncatalytic beta subunit, and a noncatalytic regulatory gamma subunit. Various forms of each of these subunits exist, encoded by different genes. AMPK is an important energy-sensing enzyme that monitors cellular energy status and functions by inactivating key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This gene is a member of the AMPK gamma subunit family. Mutations in this gene have been associated with Wolff-Parkinson-White syndrome, familial hypertrophic cardiomyopathy, and glycogen storage disease of the heart. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	58.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	PRKAG2 protein kinase, AMP-activated, gamma 2 non-catalytic subunit [Homo sapiens]
Official Symbol	PRKAG2
Synonyms	PRKAG2; protein kinase, AMP-activated, gamma 2 non-catalytic subunit; 5-AMP-activated protein kinase subunit gamma-2; AAKG; AAKG2; AMPK gamma2; CMH6; H91620p; WPWS; AMPK subunit gamma-2;
Gene ID	51422
mRNA Refseq	NM_001040633
Protein Refseq	NP_001035723
MIM	602743
UniProt ID	Q9UGJ0

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