

Recombinant Full Length Human PRKAG2 Protein, His Tagged

Cat. No. PRKAG2-235H Lot. No. (See product label)

SPECIFICATION

Product Overview

Species Human

Source E.coli

ProteinLength 1-569 aa

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.

Molecular Mass 62.9 kDa

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Notes

For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Storage Buffer	50 mM Tris-HCl, pH 8.0, 8 M urea
Concentration	> 0.05 µg/µL as determined by microplate BCA method

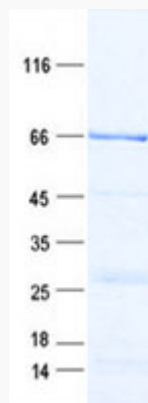
GENE INFORMATION

Gene Name	PRKAG2 protein kinase AMP-activated non-catalytic subunit gamma 2 [Homo sapiens (human)]
Official Symbol	PRKAG2
Synonyms	PRKAG2; protein kinase AMP-activated non-catalytic subunit gamma 2; AAKG; CMH6; WPWS; AAKG2; H91620p; 5'-AMP-activated protein kinase subunit gamma-2; AMPK subunit gamma-2; epididymis secretory sperm binding protein; protein kinase, AMP-activated, gamma 2 non-catalytic subunit
Gene ID	51422
mRNA Refseq	NM_016203
Protein Refseq	NP_057287
MIM	602743
UniProt ID	Q9UGJ0

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SDS-PAGE

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