

# Product datasheet for TP760921

# PRKAG2 (NM\_001040633) Human Recombinant Protein

## **Product data:**

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human protein kinase, AMP-activated, gamma 2 non-catalytic subunit (PRKAG2), transcript variant c, full length, with N-terminal HIS tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length PRKAG2
Tag:	N-His
Predicted MW:	58.3 kDa
Concentration:	>0.05 μg/μL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP 001035723</u>
Locus ID:	51422
UniProt ID:	<u>Q9UGJ0, A0A384MDZ2</u>
RefSeq Size:	3154
Cytogenetics:	7q36.1
RefSeq ORF:	1575
Synonyms:	AAKG; AAKG2; CMH6; H91620p; WPWS



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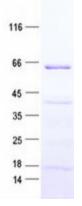
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## SRIGENE PRKAG2 (NM\_001040633) Human Recombinant Protein – TP760921

Summary: 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. [provided by RefSeq, Jan 2015]

Protein Families:Druggable GenomeProtein Pathways:Adipocytokine signaling pathway, Hypertrophic cardiomyopathy (HCM), Insulin signaling<br/>pathway

## **Product images:**



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