PRKAA2 抗原（重组蛋白）

中文名称：PRKAA2 抗原（重组蛋白）

英文名称： PRKAA2 Antigen (Recombinant Protein)

别　名： protein kinase, AMP-activated, alpha 2 catalytic subunit; AMPK; AMPK2; PRKAA; AMPKa2

储　存： 冷冻（-20℃）

相关类别： 抗原

概　述：

Fusion protein corresponding to a region derived from 16-268 amino acids of human PRKAA2

技术规格

Full name:	protein kinase, AMP-activated, alpha 2 catalytic subunit
Synonyms:	AMPK; AMPK2; PRKAA; AMPKa2
Swissprot:	P54646
Gene Accession:	BC069680
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	The protein encoded by this gene is a catalytic subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma sub units. AMPK is an important energy-sensing enzyme that monitors c ellular energy status. In response to cellular metabolic stresses, AMP K is activated, and thus phosphorylates and inactivates acetyl-CoA ca rboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis

	of fatty acid and cholesterol. Studies of the mouse counterpart suggest that this catalytic subunit may control whole-body insulin sensitivity and is necessary for maintaining myocardial energy homeostasis during ischemia.