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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

PRKAG1 (Human) Recombinant Protein (P01)

Catalog Number: H00005571-P01

Regulation Status: For research use only (RUO)

Product Description: Human PRKAG1 full-length ORF (AAH00358.1, 1 a.a. - 331 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

METVISSDSSPAVENEHPQETPESNNSVYTSFMKSHR
CYDLIPTSSKLVVFDTSLQVKKAFFALVTNGVRAAPLW
DSKKQSFVGMILTITDFINILHRYYSALVQIYELEEHKIE
TWREVYLQDSFKPLVCISPNASLFDVSSLRNKIHRPL
VIDPESGNTLYILTHKRILKFLKLFITEFPKPEFMSKSLE
ELQIGTYANIAMVRTTTPVYVALGIFVQHRVSALPVVDE
KGRVVDIYSKFDVINLAAEKTYNNLDVSVTKALQHRSH
YFEGVLKCYLHETLETIINRLVEAEVHRLVVVDENDVVK
GIVSLSDILQALVLTGGEKPP

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 62.04

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5571

Gene Symbol: PRKAG1

Gene Alias: AMPKG, MGC8666

Gene Summary: The protein encoded by this gene is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This subunit is one of the gamma regulatory subunits of AMPK. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]