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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

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

PRKAA1 (Human) Recombinant Protein (P01)

Catalog Number: H00005562-P01

Regulation Status: For research use only (RUO)

Product Description: Human PRKAA1 full-length ORF (AAH12622, 1 a.a. - 207 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MATAEKQKHDGRVKIGHYILGDTLGVGTFGKVKVVGKH
ELTGHKVAVKILNRQKIRSLDVVGKIRREIQNLKLFRRHP
HIIKLYQVISTPSDIFMVMMEYVSGGELFDYICKNGRLDE
KESRRLFQRILSGVDYCHRHMVVHRDLKPENVLLDAH
MNAKIADFGLSNMMSDGEFLRTSCGSPNYAAPEVISG
RDCNIIRILTSQFTNYQH

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 48.51

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: 5562

Gene Symbol: PRKAA1

Gene Alias: AMPK, AMPKa1, MGC33776, MGC57364

Gene Summary: The protein encoded by this gene belongs to the ser/thr protein kinase family. It is the

catalytic subunit of the 5'-prime-AMP-activated protein kinase (AMPK). AMPK is a cellular energy sensor conserved in all eukaryotic cells. The kinase activity of AMPK is activated by the stimuli that increase the cellular AMP/ATP ratio. AMPK regulates the activities of a number of key metabolic enzymes through phosphorylation. It protects cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]