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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PRKAB1 (Human) Recombinant Protein (P01)

Catalog Number: H00005564-P01

Regulation Status: For research use only (RUO)

Product Description: Human PRKAB1 full-length ORF (AAH01007, 1 a.a. - 270 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MGNTSSERAALERHGGHKTPRRDSSGGTKDGRPKI
LMDSPEDADLFHSEEIKAPEKEEFLAWQHDLEVNDKA
PAQARPTVFRWTGGGKEVYLSGSFNNWSKLPLTRSH
NNFVAILDLPEGEHQYKFFVDGQWTHDPSEPIVTSQL
GTVNNIIQVKKTDFEVFDALMVDSQKCSDVSELSSPP
GPYHQEPYVCKPEERFRAPPILPPHLLQVILNKDTGISC
DPALLPEPNHVMLNHLALSISIKDGMVLSATHRYKKKY
VTLLYKPI

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 55.44

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: 5564

Gene Symbol: PRKAB1

Gene Alias: AMPK, HAMPKb, MGC17785

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 may be a positive regulator of AMPK activity. The myristoylation and phosphorylation of this subunit have been shown to affect the enzyme activity and cellular localization of AMPK. This subunit may also serve as an adaptor molecule mediating the association of the AMPK complex. [provided by RefSeq]