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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PRKAB2 (Human) Recombinant Protein (P01)

Catalog Number: H00005565-P01

Regulation Status: For research use only (RUO)

Product Description: Human PRKAB2 full-length ORF (AAH53610, 1 a.a. - 272 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:
MGNTTSDRVSGERHGAKAARSEGAGGHAPGKEHKIM
VGSTDDPSVFSLPDSKLPGDKEFVSWQQDLEDSVKPT
QQARPTVIRWSEGGKEVFISGSFNNWSTKIPLIKSHND
FVAILDLPEGEHQYKFFVDGQWVHDPSEPVVTSQLGTI
NNLIHVKKSDFEVFDALKLDSMESSETSCRDLSSSPPG
PYGQEMYAFRSEERFKSPPILPPHLLQVILNKDTNISCD
PALLPEPNHVMLNHLYALSIKDSVMVLSATHRYKKKYV
TTLLYKPI

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 55.66

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: 5565

Gene Symbol: PRKAB2

Gene Alias: MGC61468

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. It is highly expressed in skeletal muscle and thus may have tissue-specific roles. [provided by RefSeq]