

Recombinant Human PRKAB2 Protein, His-tagged

Cat. No. PRKAB2-427H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRKAB2(Lys17~Lys260) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Lys17~Lys260
Description	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. Multiple alternatively spliced transcript variants have been found for this gene.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	30.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 98%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	PRKAB2 protein kinase, AMP-activated, beta 2 non-catalytic subunit [Homo sapiens]
Official Symbol	PRKAB2
Synonyms	PRKAB2; protein kinase, AMP-activated, beta 2 non-catalytic subunit; 5-AMP-activated protein kinase subunit beta-2; AMPK beta 2; AMPK beta-2 chain; AMPK subunit beta-2; 5-AMP-activated protein kinase, beta-2 subunit; MGC61468;
Gene ID	5565
mRNA Refseq	NM_005399
Protein Refseq	NP_005390

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MIM	602741
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UniProt ID	O43741
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