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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRKAB2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00005565-T01

規格 : [100 uL]

List All

Specification

Transfected Cell Line: 293T

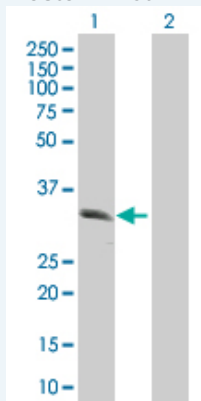
Plasmid: pCMV-PRKAB2 full-length

Host: Human

Theoretical MW (kDa): 30.03

Quality Control Testing: Transient overexpression cell lysate was tested with Anti-PRKAB2 antibody ([H00005565-B01](#)) by Western Blots.

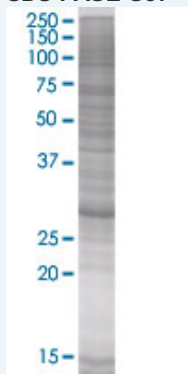
Western Blot



Lane 1: PRKAB2 transfected lysate (30.3 KDa)

Lane 2: Non-transfected lysate.

SDS-PAGE Gel



PRKAB2 transfected lysate.

Storage Buffer: 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

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

MSDS:  [Download](#)

Applications

Application Image

Western Blot

Western Blot

Gene Information

Entrez GeneID: [5565](#)

GeneBank Accession#: [NM_005399](#)

Protein Accession#: [NP_005390](#)

Gene Name: PRKAB2

Gene Alias: MGC61468

Gene Description: protein kinase, AMP-activated, beta 2 non-catalytic subunit

Omim ID: [602741](#)

Gene Ontology: [Hyperlink](#)

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]

Other Designations: 5'-AMP-activated protein kinase, beta-2 subunit,AMP-activated protein kinase beta 2 non-catalytic subunit,AMPK beta 2,AMPK beta-2 chain,OTTHUMP00000015910

Gene Pathway

[Adipocytokine signaling pathway](#) [Hypertrophic cardiomyopathy \(HCM\)](#)
[Insulin signaling pathway](#)

Related Disease

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[Coronary Artery Disease](#) [Diabetes Complications](#) [Diabetes Mellitus](#)
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