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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRKAA1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00005562-T02

規格 : [100 uL]

List All

Specification

Transfected Cell Line: 293T

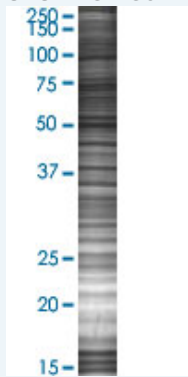
Plasmid: pCMV-PRKAA1 full-length

Host: Human

Theoretical MW (kDa): 65.5

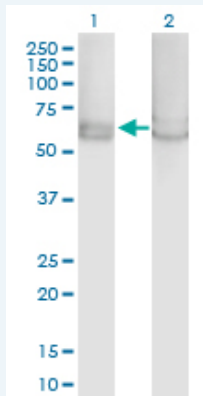
Quality Control Testing: Transient overexpression cell lysate was tested with Anti-PTPRF antibody ([H00005562-B01P](#)) by Western Blots.

SDS-PAGE Gel



PRKAA1 transfected lysate.

Western Blot



Lane 1: PRKAA1 transfected lysate (65.5 KDa)

Lane 2: Non-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: [5562](#)

GeneBank Accession#: [BC048980.1](#)

Protein Accession#: [AAH48980.1](#)

Gene Name: PRKAA1

Gene Alias: AMPK,AMPKa1,MGC33776,MGC57364

Gene Description: protein kinase, AMP-activated, alpha 1 catalytic subunit

Omim ID: [602739](#)

Gene Ontology: [Hyperlink](#)

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]

Other Designations: 5'-AMP-activated protein kinase, catalytic alpha-1 chain,AMP -activate kinase alpha 1 subunit,AMP-activated protein kinase, catalytic, alpha-1,AMPK alpha 1

Gene Pathway

[Adipocytokine signaling pathway](#) [Hypertrophic cardiomyopathy \(HCM\)](#)
[Insulin signaling pathway](#) [mTOR signaling pathway](#) [Regulation of autophagy](#)

Related Disease

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