

Datasheet for ABIN7280002  
**PRKAB1 Protein (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	PRKAB1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRKAB1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Purification:	purified by chromatography
Purity:	> 85 % by SDS - PAGE

## Target Details

Target:	PRKAB1
Alternative Name:	PRKAB1 ( <a href="#">PRKAB1 Products</a> )
Background:	5'-AMP-activated protein kinase subunit beta-1, also known as PRKAB1, inhibits protein, carbohydrate and lipid biosynthesis, as well as cell growth and proliferation. AMPK acts via direct phosphorylation of metabolic enzymes, and by longer-term effects via phosphorylation of transcription regulators. Also acts as a regulator of cellular polarity by remodeling the actin cytoskeleton, probably by indirectly activating myosin. Beta non-catalytic subunit acts as a scaffold on which the AMPK complex assembles, via its C-terminus that bridges alpha

## Target Details

(PRKAA1 or PRKAA2) and gamma subunits (PRKAG1, PRKAG2 or PRKAG3). Recombinant human PRKAB1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Molecular Weight:	32.8 kDa (293aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)
NCBI Accession:	<a href="#">NP_006244</a>
Pathways:	<a href="#">AMPK Signaling</a> , <a href="#">Warburg Effect</a>

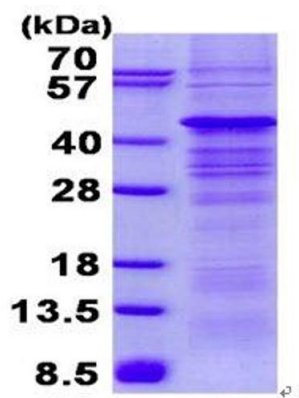
## Application Details

Comment:	Synonyms: 5'-AMP-activated protein kinase subunit beta-1, AMPK, HAMPKb
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.5 mg/ml (determined by Bradford assay)
Buffer:	20 mM Tris-HCl buffer (pH 8.0) containing 0.15 M NaCl, 10% glycerol, 1 MM DTT
Storage:	4 °C
Storage Comment:	Avoid repeated freezing and thawing cycles.

## Images



15% SDS-PAGE (3ug)

