

Datasheet for ABIN5853248
PRKAG1 Protein (AA 1-331) (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	PRKAG1
Protein Characteristics:	AA 1-331
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRKAG1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence: MGSSHHHHHH SSSLVPRGSH MGSMETVISS DSSPAVENEH PQETPESNNS VYTSFMKSHR
CYDLIPTSSK LVVFDTSLQV KKAFFALVTN GVRAAPLWDS KKQSFVGMILT ITDFINILHR
YYKSALVQIY ELEEKTIETW REVYLQDSFK PLVCISPNAS LFDVSSLR NKIHRLPVID
PESGNTLYIL THKRILKFLK LFITEFPKPE FMSKSLEELQ IGTYANIAMV RTTTPVYVAL
GIFVQHRVSA LPVVDEKGRV VDIYSKFDVI NLAAEKTYNN LDVSVTKALQ HRSHYFEGVL
KCYLHETLET IINRLVEAEV HRLVVVDEND VVKGIVSLSD ILQALVLTGG EKKP

Purity: > 85 % by SDS - PAGE

Target Details

Target:	PRKAG1
Alternative Name:	PRKAG1 (PRKAG1 Products)

Target Details

Background: 5'-AMP-activated protein kinase subunit gamma-1 isoform 1, also known as PRKAG1, 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. This subunit is one of the gamma regulatory subunits of AMPK. Alternatively spliced transcript variants encoding distinct isoforms have been observed. Recombinant human PRKAG1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Molecular Weight: 40 kDa (354aa)

NCBI Accession: [NP_002724](#)

UniProt: [P54619](#)

Pathways: [AMPK Signaling](#), [Regulation of Carbohydrate Metabolic Process](#), [Warburg Effect](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Denatured

Restrictions: For Research Use only

Handling

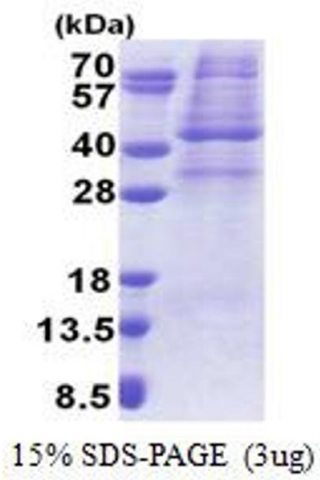
Format: Liquid

Concentration: 0.25 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.