

Recombinant human RAB23 protein

Catalog Number: ATGP1290

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-234aa

UniProt No.

Q9ULC3

NCBI Accession No.

NP_057361

Alternative Names

Ras-related protein Rab-23, DKFZp781H0695, HSPC137, MGC8900, RAB23 member RAS oncogene family

PRODUCT SPECIFICATION

Molecular Weight

28.5 kDa (254aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 1mM DTT, 0.1mM PMSF

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

RAB23, also known as ras-related protein Rab23, is a member of the Rab family of proteins and localizes to the cytoplasmic side of the cell membrane. This protein is thought to play a role in intracellular protein transportation and signal transduction mediated by small GTPases. RAB23 is an essential negative regulator of the Sonic hedgehog signaling pathway. Mutations in the gene encoding RAB23 may result in Carpenter syndrome a condition characterized by obesity, cardiac defects, polysyndactyly and craniosynostosis. Recombinant human RAB23 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by

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using conventional chromatography.

Amino acid Sequence

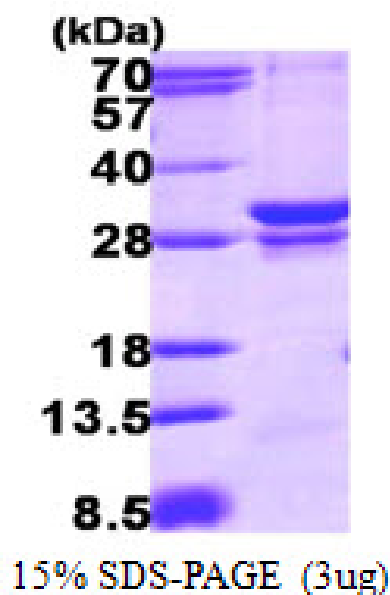
MGSSHHHHHH SSGLVPRGSH MLEEDMEVAI KMWVVGNGAV GKSSMIQRYC KGIFTKDYKK TIGVDFLERQ IQVNDEDVRL
MLWDTAGQEE FDAITKAYR GAQACVLVFS TTDRESFEAV SSWREKVVAE VGDIPTVLVQ NKIDLLDDSC IKNEEAEALA
KRLKLRFYRT SVKEDLNVNE VFKYLAEKYL QKLKQQAED PELTHSSSNK IGVFNTSGGS HSGQNSGTLN GGDVINLRPN
KQRTKKNRNP FSSC

General References

Marcos I. et al. (2003) Int J Mol Med. 12:983-987.
Eggenschwiler JT. et al. (2001) Nature. 412:194-198.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.