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# Recombinant human RAB23 protein

Catalog Number: ATGP1290

# **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

1-234aa

#### **UniProt No.**

O9ULC3

#### **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 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**

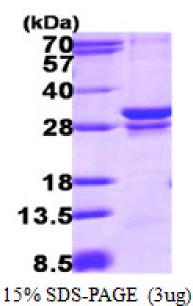
MGSSHHHHHH SSGLVPRGSH MLEEDMEVAI KMVVVGNGAV GKSSMIQRYC KGIFTKDYKK TIGVDFLERQ IQVNDEDVRL MLWDTAGQEE FDAITKAYYR GAQACVLVFS TTDRESFEAV SSWREKVVAE VGDIPTVLVQ NKIDLLDDSC IKNEEAEALA KRLKLRFYRT SVKEDLNVNE VFKYLAEKYL QKLKQQIAED PELTHSSSNK IGVFNTSGGS HSGQNSGTLN GGDVINLRPN KQRTKKNRNP FSSC

#### **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.

