

RAB23, 1-234aa , Human, His tag E.coli

Cat.NO.: TP03628

3th Edition

Synonyms:Ras-related protein Rab-23, DKFZp781H0695, HSPC137, MGC8900.

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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol, 1mM DTT, 0.1mM PMSF

Molecular Weight:28.5 kDa (254aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMLEEDMEVAIKMVVVGN GAVGKSSMIQRYCKGIFTKDYKKTIGVDFLERQIQVND
EDVRLMLWDTAGQEEFDAITKAYYRGAQACVLFSTTDRESFEAVSSWREKVVAEVDIPTVLVQNKIDLLDDSCIK
NEEAEALAKRLKLRFYRTSVKEDLNVNEVFKYLAEKYLQKLKQQAEDPELTHSSSNKIGVFNTSGGSHSGQNSGTL
NGGDVINLRPNKQRTKKNRNPFS

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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