

Recombinant Human RAB23, Member RAS Oncogene Family, His-tagged

Cat. No. RAB23-1290H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human RAB23 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	Human
ProteinLength	1-234 a.a.
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
Purity	> 90% by SDS - PAGE

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Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MLEEDMEVAI KMVVVGNGAV GKSSMIQRYC KGIFTKDYKK TIGVDFLERQ IQVNDEDVRL MLWDTAGQEE FDAITKAYYR GAQACVLVFS TTDRESFEAV SSWREKVVAE VGDIPTVLVQ NKIDLLDDSC IKNEEAELA KRLKLFYRT SVKEDLNVNE VFKYLAEKYL QKLKQQAED PELTHSSSNK IGVFNTSGGS HSGQNSGTLN GGDVINLRPN KQRTKKNRNP FSSC
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.
Pathways	Hedgehog Signaling Pathway; Hedgehog signaling events mediated by Gli proteins; Hedgehog signaling pathway

GENE INFORMATION

Gene Name	RAB23 RAB23, member RAS oncogene family [Homo sapiens]
Official Symbol	RAB23
Synonyms	RAB23; RAB23, member RAS oncogene family; HSPC137; MGC8900; DKFZp781H0695; ras-related protein Rab-23; OTTHUMP00000016667; RAB family small GTP binding protein RAB 23; Ras-related protein Rab-23
Gene ID	51719
mRNA Refseq	NM_016277
Protein Refseq	NP_057361
MIM	606144

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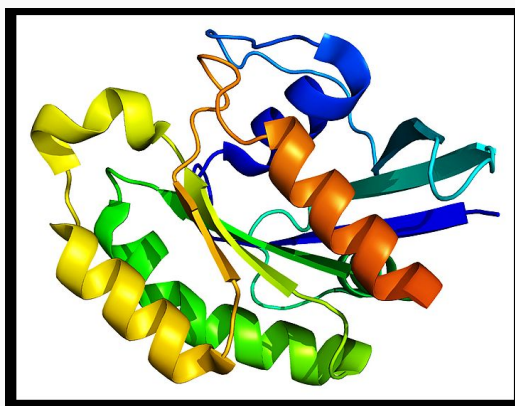
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UniProt ID Q9ULC3

Chromosome Location 6p11

Function GTP binding; nucleotide binding

PDB rendering based on 1z22.



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