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## Product Data Sheet

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Product Name: RAB23 Human  
 Cat. No.: GP24288  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	RAB23 member RAS oncogene family; HSPC137; RAB family small GTP binding protein RAB 23; ras-related protein Rab-23.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MLEEDMEVAI KMVVVGN GAV GKSSMIQRYC KGIFTKDYKK TIGVDFLERQ IQVNDEDVRL MLWDTAGQEE FDAITKAYYR GAQACVLVFS TTDRESFEAV SSWREKVVAE VGDIP TVLVQ NKIDLLDDSC IKNEEAEALA KRLKLRFYRT SVKEDLNVNE VFKYLAEKYL QKLKQQAED PELTHSSSNK IGVFNTSGGS HSGQNSGTLN GGDVINLRPN KQRTKKNRNP FSSC		
Formulation	The RAB23 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1mM PMSF and 30% glycerol.		

### Introduction

RAB23 belongs to the Rab family of proteins and is restricted to the cytoplasmic side of the cell membrane. RAB23 takes part in intracellular protein transportation and signal transduction facilitated by small GTPases. RAB23 is a vital negative regulator of the Sonic hedgehog signaling pathway. Alterations in the gene encoding RAB23 are the origin for Carpenter syndrome a disorder which can cause obesity, cardiac defects, polysyndactyly and craniosynostosis.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

RAB23 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide

**Caution: Product has not been fully validated for medical applications. For research use only.**

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chain containing 254 amino acids (1-234) and having a molecular mass of 28.5 kDa. RAB23 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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