

## RAB23 Human

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

**Catalog #:** PRPS-984

For research use only.

**Synonyms:** RAB23 member RAS oncogene family, HSPC137, RAB family small GTP binding protein RAB 23, ras-related protein Rab-23.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MLEEDMEVAI KVVVGNGAV  
GKSSMIQRYC KGIFTKDYKK TIGVDFLERQ IQVNDEDVRL MLWDTAGQEE FDAITKAYYR  
GAQACVLVFS TTDRESFEAV SSWREKVVAE VGDIPTVLVQ NKIDLLDDSC IKNEEAELA  
KRLKLRFYRT SVKEDLNVNE VFKYLAEKYL QKLKQQAED PELTHSSSNK IGVFNTSGGS  
HSGQNSGTLN GG

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

The RAB23 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1mM PMSF and 30% glycerol.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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