

## RAB13 Human

**Description:** RAB13 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 220 amino acids (1-200) and having a molecular mass of 24.7 kDa. The RAB13 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-889

For research use only.

**Synonyms:** RAB13 member RAS oncogene family, Cell growth-inhibiting gene 4 protein, Growth-inhibiting gene 4 protein, RAS-associated protein RAB13.

**Source:** Escherichia Coli.

**Physical Appearance:** RAB13 is supplied as a sterile filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MAKAYDHLFK LLLIGDSGVG  
KTCLIRFAE DNFNNTYIST IGIDFKIRTV DIEGKKIKLQ VWDTAGQERF KTITTAYYRG  
AMGIILVYDI TDEKSFENIQ NWMKSIKENA SAGVERLLLG NKCDMEAKRK VQKEQADKLA  
REHGIRFFET SAKSSMNVD EAFSSLARDIL LKSGGRRSGN GNKPPSTD LK TCDKKNTNKC

**Purity:** Greater than 85.0% as determined by SDS-PAGE.

**Formulation:**

RAB13 protein (0.25mg/ml) is supplied in 20mM Tris-HCL, pH-8, 1mM DTT, 200mM NaCl, 1mM EDTA and 20% 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:**

RAB13 is a member of the small GTPase superfamily which are nontransforming monomeric GTP-binding proteins that hold 4 extremely conserved regions that take part in GTP binding and hydrolysis. In addition, RAB proteins have a vital role in the endocytic pathways. The GTPase Rab13 regulates the assembly of functional epithelial tight junctions (TJs) and is expressed in every phase of preimplantation development.

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