

**RAB13, 1-200aa, Human, His tag, E.coli**

**Cat.NO.: TP03620**

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3th Edition

**Synonyms:**Ras-related protein Rab-13, GIG4

**Description:**RAB13 (Ras-related protein Rab-13) belongs to the small GTPase superfamily. Members of the RAB protein family are nontransforming monomeric GTP-binding proteins of the Ras superfamily that contain 4 highly conserved regions involved in GTP binding and hydrolysis. RAB proteins are also an integral part of endocytic pathways. The GTPase Rab13 regulates the assembly of functional epithelial tight junctions (TJs). It is expressed at all stages of preimplantation development.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 200mM NaCl, 1mM EDTA

**Molecular Weight:**24.7kDa (220aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMAKAYDHLFKLLIGDSGVGKTCLIRFAEDNFNNTYISTIGIDFKIRTVDIEGKKIKL  
QVWDTAGQERFKTITTAYYRGAMGILVYDITDEKSFENIQNWMKSIKENASAGVERLLLGNKCDMEAKRKVQKEQ  
ADKLAREHGIRFFETSAKSSMNVDFAFSSLARDILLKSGRRSGNGNKPPSTDCLKTKDKKNTNKC

**Purity:**> 95% by HPLC

**Concentration:**0.25 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.