

Recombinant human RAB13 protein

Catalog Number: ATGP1126

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-200aa

UniProt No.

P51153

NCBI Accession No.

NP_002861.1

Alternative Names

Ras-related protein Rab-13, GIG4, RAB13 member RAS oncogene family, Cell growth-inhibiting gene 4 protein

PRODUCT SPECIFICATION

Molecular Weight

24.7 kDa (220aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human RAB13 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH> MAKAYDHLFK LLLIGDSGVG KTCLIRFAE DNFNNTYIST IGIDFKIRTV DIEGKKIKLQ
VWDTAGQERF KTITTAYYRG AMGIILVYDI TDEKSFENIQ NWMKSIKENA SAGVERLLLG NKCDMEAKRK VQKEQADKLA
REHGIRFFET SAKSSMNVD EAFSSLARDIL LKSGGRRSGN GNKPPSTD LK TCDKKNTNKC

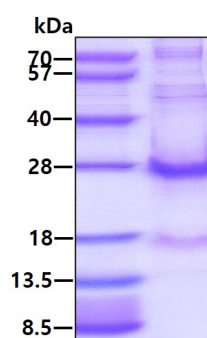
General References

Sheth B., et al. (2000) Mech Dev. 97(1-2):93-104.

Kohler K., et al. (2004) J Cell Biol. 165(2):175-80.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.