

Recombinant human RAB7A protein

Catalog Number: ATGP0877

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-207aa

UniProt No.

P51149

NCBI Accession No.

NP_004628.4

Alternative Names

Ras-related protein Rab-7a, RAB7, RAB7A member RAS oncogene family, CMT2B, Charcot-Marie-Tooth neuropathy 2B

PRODUCT SPECIFICATION

Molecular Weight

25.6 kDa (227aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 100mM NaCl

Purity

> 90% 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

Ras-related protein Rab-7a, also known as RAB7A, is a member of the Ras superfamily of small Rab GTPases. RAB7A associates with the RIPL effector protein to control membrane trafficking from early to late endosome and to lysosomes. RAB7A has also been shown to regulate growth receptor endocytic trafficking, degradation, maturation of phagosome and autophagic vacuoles. Recombinant human RAB7A 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 SSGLVPRGSH> MTSRKKVLLK VIILGDSGVG KTSLMNQYVN KKFSNQYKAT IGADFLTKEV
MVDDRLVTMQ IWDTAGQERF QSLGVAFYRG ADCCVLVFDV TAPNTFKTLD SWRDEFLIQA SPRDPENFPF VVLGNKIDLE
NRQVATKRAQ AWCYSKNNIP YFETSAKEAI NVEQAFQTIA RNALKQETEV ELYNEFPEPI KLDKNDRAKA SAESCSC

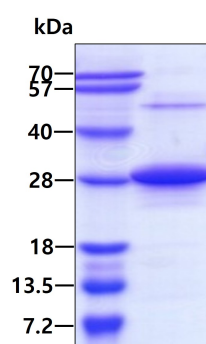
General References

Feng Y., et al. (1995) J Cell Biol. 131:1435-52.

Barbero P., et al. (2002) J Cell Biol. 156:511-8.

DATA

SDS-PAGE



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