

Rab11

Catalog Number: 10126

Synonyms: Rab-protein 11, CG5771, DmRab11, Drab11, Rab-r11, RAB11

Background: Rab11 is a small GTP-binding proteins of the Rab family, such as Rab11A, play essential roles in vesicle and granule targeting. Rab11 is also a GTPase that regulates endosomal trafficking to apical plasma membrane domains in polarized epithelial cells.

Amino Acid Sequence: (1-173)

MGTRDDEYDYLKVVLLIGDSGVGKSNLLSRFTRN
EFNLESKSTIGVEFATRSIQVDGKTIKAQIWDTAG
QERYRAITSAYYRGAVGALLVYDIAKHLTYENVE
RWLKELRDHADSNIVIMLVGNKSDLRHLRAVPTD
EARAFAEKNGLSFIETSALDSTNVEAAFQILTEI
Y

Source: Human, recombinant full length, His₆-tag

Expression Host: E. coli

Molecular Weight: 18 kDa

Purity: > 95% by SDS-PAGE

Constituents: 20mM Tris-HCl, pH8.0, 150mM NaCl.

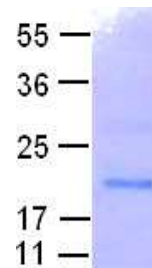
Physical Appearance: White or clear

Concentration: 1 mg/mL

Storage: -80°C

Preparation Instructions

Adding of 10 mM β -mercaptoethanol or 1 mM DTT into the solution to protect the protein is recommended and using of non-ionic detergents such as n-Dodecyl β -D-maltoside (DoDM) or polyethylene detergents (e.g., C12E10) also help to stabilize the protein. Avoid repeated freezing and thawing.



The purity of His-tagged Rab11 was determined by SDS-PAGE and Coomassie Brilliant Blue Staining.

References

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3. Casanova, J. E. et al., *Molec. Biol. Cell* 10: 47-61, 1999.
4. Drivas, G. T. et al., *Oncogene* 6: 3-9, 1991.
5. Gromov, P. S. et al., *FEBS Lett.* 429: 359-364, 1998.
6. Guichard, A. et al., *Nature* 467: 854-858, 2010.
7. Larance, M. et al., *J. Biol. Chem.* 280: 37803-37813, 2005.
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