

## RAB7 PROTEIN

产品名称: Rab7 蛋白

货号: 10167

产品全名: Rab7 蛋白

基因符号: Member RAS oncogene family, Rab7a, MGC102153

Source: Human, recombinant full length, His6-tag

Expression 种属反应性: E. coli

分子量: 23 kDa

纯化: >95% by SDS-PAGE

**Introduction:** Members of the Rab family of Ras-related GTP-binding proteins are important regulators of vesicular transport and are located in specific intracellular compartments. Rab7 has been localized to late endosomes and shown to be important in the late endocytic pathway. In addition, it has been shown to have a fundamental role in the cellular vacuolation induced by the cytotoxin VacA of *Helicobacter pylori*.

**Amino Acid Sequence** (1-207)

MTSRKKVLLKVIILGDSGVGKTSMLNQYVKNKFSNQYKATIGADFLTKVEMVDDRLVTMQIWDTAGQERFQSLGVAFYRGADCCVLVFDVTPNTFKTLDSWRDEFLIQASPRDPENFPFVLGNKIDLENRQVATKRAQAWCYSKNNIPYFETSAKEINVEQAFQTIARNALKQETEVLYNEFPPEPKLKDNDRAKASAESCS

**Properties**

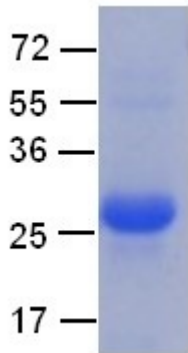
**Physical Appearance (form):** Dissolved in 20mM Tris-HCl, pH8.0, 150mM NaCl.

**Physical Appearance (form):** White or clear

**Concentration:** 1 mg/mL

**Storage:** -80°C

**Preparation Instructions:** Centrifuge the vial before open the cap and reconstitute in water. Adding of 10 mM  $\beta$ -mercaptoethanol or 1 mM DTT into the solution to protect the protein is recommended and using of non-ionic detergents such as n-Dodecyl  $\beta$ -D-maltoside (DDM) or polyethylene detergents (e.g. C12E10) also help to stabilize the protein. Avoid repeated freezing and thawing after reconstitution. The purity of His-tagged Rab7 was determined by SDS-PAGE and Coomassie Brilliant Blue Staining.



**References:** 1. Edinger, A. L. et al., Dev. Cell 5: 571-582, 2003. 2.

Houlden, H. et al., Ann. Neurol. 56: 586-590, 2004.3. Meggouh, F. et al., Neurology 67: 1476-1478, 2006.4. Rak, A. et al., Cell 117: 749-760, 2004.5. Verhoeven, K. et al., Am. J. Hum. Genet. 72: 722-727, 2003.