



Recombinant Protein Technical Manual  
Recombinant Rat RAB7A/Rab-7a Protein (His Tag)  
RPES3277

Product Data:

**Product SKU:** RPES3277

**Size:** 20µg

**Species:** Rat

**Expression host:** E. coli

**Uniprot:** NP\_076440.1

Protein Information:

**Molecular Mass:** 25.7 kDa

**AP Molecular Mass:**

**Tag:** N-His

**Bio-activity:**

**Purity:** > 90 % as determined by SDS-PAGE

**Endotoxin:** Please contact us for more information.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from sterile PBS, 10 % glycerol

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Rab7

## Immunogen Information:

**Sequence:** Met1-Cys207

## Background:

RAB7A is a ubiquitous small GTPase, which controls transport to late endocytic compartments. Silencing or overexpression of wild type RAB7A changed the soluble/insoluble rate of peripherin indicating that RAB7A is important for peripherin organization and function. In addition, disease-causing RAB7A mutant proteins bind more strongly to peripherin and their expression causes a significant increase in the amount of soluble peripherin. The altered interaction between disease-causing RAB7A mutants and peripherin could play an important role in CMT2B neuropathy.