

# Recombinant Rat RAB7A/Rab-7a Protein (His Tag)

Catalog Number:PKSR030150



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

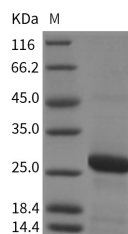
## Description

<b>Synonyms</b>	Rab7
<b>Species</b>	Rat
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met1-Cys207
<b>Accession</b>	NP_076440.1
<b>Calculated Molecular Weight</b>	25.7 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Generally, 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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, 10 % glycerol Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 90 % as determined by reducing SDS-PAGE.

## 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.

## For Research Use Only

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Toll-free: 1-888-852-8623

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Fax: 1-832-243-6017