

Recombinant Full Length Human RAB7A Protein, C-Flag-tagged

Cat. No. RAB7A-435HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RAB7A Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	RAB family members are small, RAS-related GTP-binding proteins that are important regulators of vesicular transport. Each RAB protein targets multiple proteins that act in exocytic / endocytic pathways. This gene encodes a RAB family member that regulates vesicle traffic in the late endosomes and also from late endosomes to lysosomes. This encoded protein is also involved in the cellular vacuolation of the VacA cytotoxin of Helicobacter pylori. Mutations at highly conserved amino acid residues in this gene have caused some forms of Charcot-Marie-Tooth (CMT) type 2 neuropathies.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	23.3 kDa
AA Sequence	MTSRKKVLLKVIILGDSGVGKTSLMNQYVNKKFSNQYKATIGADFLTKEVMVDDRLLV TMQIWDTAGQERF QSLGVAFYRGADCCVLVFDVTAPNTFKTLDSWRDEFLIQASPR DPENFPFVVLGNKIDLENRQVATKRAQ AWCYSKNNIPYFETSAKEAINVEQAFQTIA RNALKQETEEVELYNEFFPEPIKLDKNDRAKASAESCSC

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	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	RAB7A RAB7A, member RAS oncogene family [Homo sapiens (human)]
Official Symbol	RAB7A
Synonyms	RAB7; CMT2B; PRO2706
Gene ID	7879
mRNA Refseq	NM_004637.6
Protein Refseq	NP_004628.4

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MIM 602298

UniProt ID P51149



Coomassie blue staining of purified RAB7A protein.

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