

Product datasheet for **RC201776L1V**

RAB7 (RAB7A) (NM_004637) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | RAB7 (RAB7A) (NM_004637) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | RAB7 |
| Synonyms: | CMT2B; PRO2706; RAB7 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-Myc-DDK (PS100064) |
| Tag: | Myc-DDK |
| ACCN: | NM_004637 |
| ORF Size: | 621 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC201776). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_004637.5 |
| RefSeq Size: | 2240 bp |
| RefSeq ORF: | 624 bp |
| Locus ID: | 7879 |
| UniProt ID: | P51149 |
| Cytogenetics: | 3q21.3 |
| Protein Families: | Druggable Genome |
| MW: | 23.5 kDa |



[View online »](#)

Gene Summary:

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. [provided by RefSeq, Jul 2008]