

Product datasheet for **SC214285**

RAB7 (RAB7A) (NM_004637) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RAB7 (RAB7A) (NM_004637) Human 3' UTR Clone
Symbol:	RAB7
Synonyms:	CMT2B; PRO2706; RAB7
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004637
Insert Size:	1406 bp



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Insert Sequence: >SC214285 3'UTR clone of NM_004637
The sequence shown below is from the reference sequence of NM_004637. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGGCCTCGGCAGAAAGCTGCAGTTGCTGAGGGGCGAGTGAGAGTTGAGCACAGAGTCCTTCACAAACC
AAGAACACACGTAGGCCTTCAACACAATTTCCCTCTCCTTCCAAACAAAACATACATTGATCTCTCA
CATCCAGTGCACAAAAGAAAACCCCATCAACACAGTTACACCCACATATCTCTCACACACACACACA
CACGCACACACACACACAGATCTGACGTAATCAAACCCAGCCCTTGCCCGTGATGGCTCCTTGGGG
TCTGCCTGCCACCCACATGAGCCCGGAGTATGGCAGCAGGACAAGCCAGCGGTGGAAGTCATTCTGA
TATGGAGTTGGCATTGGAAGCTATTCTTTTTGTTCACTGGAGAGAGAGAAGTGTACAGTTAATC
TGTGTCTAATTATCTGATTTTTTTTATTGGTCTTGTGGTCTTTTTACCCCCCTTTCCCTCCCTCCTT
GAAGGCTACCCCTTGGGAAGGCTGGTGCCCATGCCCATACAGGCTCACACCCAGTCTGATCAGGCT
GAGTTTTGTATGTATCTATCTGTTAATGCTTGTACTTTTAACTAATCAGATCTTTTACAGTATCCAT
TTATTATGTAATGCTTCTTAGAAAAGAATCTTATAGTACATGTTAATATATGCAACCAATTAATGTA
TAAATTAGTGTAAAGAAATTTGGGATTATGTGTTAAGTCCTGTAATGCAGGCCTGTAAGGTGGAGGGT
TGAACCCGTGTTGGATTGCAGAGTGTTACTCAGAATTGGGAAATCCAGCTAGCGGAGTATTCTGTACA
GTAGACACAAGAATTATGTACGCCTTTTATCAAAGACTTAAGAGCCAAAAGCTTTTCATCTCCAGG
GGGAAAAGTGTCTAGTCCCTTCTGTGTCTAAATTTTCCAAAACGTTGATTTGCATAATACAGTGGTAT
GTGCAATGGATAAATTGCCGTTATTTCAAATTTTCAAACGTTGATTTGCATAATACAGTGGTAT
CTCCACACTTCAAACCTCCGTTAGATCAGCATTCTACTACAAGAGTAAAGGAAAACCTAACAGATC
TGTCTAGTGATTTTACCTTTGTTCTAGAAGGCGCTCCTTTCAGGGTTGGTATTCTTAGGTTAGCGG
AGCTTTTTCTCTTTTCCCAACCATCTCCCAATATTGCCATTATTAATTAACCTCTTTCTTTGGTT
GGAACCCGTGGCAGTTCTGCTCCCTTCTAGGATCTGCCCTGCATTGTAGCTTGCTTAACGGAGCACTT
CTCCTTTTTCAAAGGTCTACATTCTAGGGTGTGGGCTGAGTTCTTGTAAAGAGATGAACGCAATGC
CAATAAAATTGAACAAGAACAATGAT
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATCCACCGCCCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_004637.6](#)

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]

Locus ID: 7879

MW: 52.7