

## Product datasheet for SC212568

### RAB12 (NM\_001025300) Human 3' UTR Clone

#### Product data:

|                           |                                                                                                                                                                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | 3' UTR Clones                                                                                                                                                                                                                                            |
| Product Name:             | RAB12 (NM_001025300) Human 3' UTR Clone                                                                                                                                                                                                                  |
| Symbol:                   | RAB12                                                                                                                                                                                                                                                    |
| Mammalian Cell Selection: | Neomycin                                                                                                                                                                                                                                                 |
| Vector:                   | pMirTarget (PS100062)                                                                                                                                                                                                                                    |
| ACCN:                     | NM_001025300                                                                                                                                                                                                                                             |
| Insert Size:              | 1151 bp                                                                                                                                                                                                                                                  |
| Insert Sequence:          | <p>&gt;SC212568 3'UTR clone of NM_001025300</p> <p>The sequence shown below is from the reference sequence of NM_001025300. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> |

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
CCACCAAGACCACATGTCGATGCTGTTGATTTCCTACTTTGGAGACAAAGTGGAATGATTCTGGAA
AGGGGAAAAAACGTTCTATTCTGCACTACAATCATTTTGACAATTTCTTTGCACTTTGTAATCCAAG
TCAGAGCTATACACTAATTGTAATATGCATATATGCAATCCTGGGTAAGTTTTGGTTATAAGTTACC
TATTTCCCTCCAAATTATTATTTTCATTCAATACCCAGTGTCTAGGTACATACACTGGGAAACCTA
GTACTTCTAATATGAAGAATGGGAGAAATGAAAGGTATAATGTTTCTTGAAATAAATAATATAATTGTC
CTTATTAATTATATTATGAGGACAGAAGATATTCTGATAAGAGAGAACGTGGTGCTTTGCTTACCGTTT
TAAAGAAAATTTGTAAGCTAAAGACTTTTTGAAAAAAGCTATCTTAAGTGCTTTTCTTTATTACA
AGACATTTCCCCAGTGGTAGCATCTGAAGTATTGGAGTGTCTGCCACGAAGCAAAGCTCCATTCAT
GGCCGTCATGGAAGTTATTTATTAATGTTACATAATGGTAGAATATTACTAGTTAGAGGTTGGATTT
GACTTGGTCCTAAGGCCACAGAATCTCTCATGGCTTCTAAGGGATGTACCTTTATGCTTTTAAGAA
CTACAAAGATTCAATAAAGAAAGAAATGTTTTGAACTATAGAAAAAGATTTTAAACACGCTGCTGT
CCTAAACAAATCCTGTTTAAAGGAATTTTAAAGAGATGCATTTTACTATATCAAAGAACATACGTGTAT
TTGCCTAAACACTCTGTACCTTTGTAATGATAAACTTCCCCCTCTTTACGGTGAAGCTTATTCTGAT
TAAGCCTAGACTGTGTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGTCTG
ATGATGAATTTGTGAAGCTCTATCTTTGGTATATCTTTATTAACTGCACTGTTTGTGTTAGTCAAGGT
AATTAAGTAATTATGATTTGAATAACTGGTGTGTCTTGAGTGTGTGGTATGAAAAGCATTGTGGTC
TTTCTACACTAATGAAGTGCAAATAAAATTTGTATTTATGAATGAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACGCCGCCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI


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|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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:         | <a href="#">NM_001025300.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Summary:        | The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. That Rab may play a role in protein transport from recycling endosomes to lysosomes regulating, for instance, the degradation of the transferrin receptor. Involved in autophagy (By similarity).[UniProtKB/Swiss-Prot Function] |
| Locus ID:       | 201475                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MW:             | 45.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |