

## Product datasheet for **SC214172**

### Rab5 (RAB5A) (NM\_004162) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Rab5 (RAB5A) (NM_004162) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	RAB5A
Synonyms:	RAB5
ACCN:	NM_004162
Insert Size:	1382 bp



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<b>Insert Sequence:</b>	<p>&gt;SC214172 3'UTR clone of NM_004162 The sequence shown below is from the reference sequence of NM_004162. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCAACCAGGAATCAGTGTGTAGTAACAAACCTCTAGTTTGAAGTAGCTGGAATAGTCTTCTGCTTCC TAAATGTTAATAACAATGGAATTGGAGCATTTAACAGCCAGTATGACTTCCAAAAGAAGAGACTTAT GATAGAGTCAAGTTTCTAATACAGAATTATTTTAAAGTGTGTTTGAAGTAAATTTTAAACATGCATGG GTCCCTCTCACTAATGTTTCAACAATAGGGAAAAATGAGAACTATGTGGACACTTGTTCATTGGAAGG TTAGGGGGAATAATTTCTCATCACTAGGAATATAGACAAATGACTGTCTGGGCCACACAGTTAACCAG CCCATTCTCCACACTGGTACAGTAGTCACCTGTGAAAAAAAATGGAACCTACTAATTTGGGCTTTT CAAAAACATTCTTTGTTTAGAAGGAGATTCTAAAGTTATTTATGATGCTTAGCCATAGTATTCAGGCAA ATGTTTCATTTCTCTGGTACCTGTATTTAAAATGTACATTCACATTTTAAATAAATTAACCACAAGAAA ATAATCCACATATACAAGGTCAGGGGTGGGGAAGAGTATAATGGTATCTTAATTATACCCAGTCTGG TTTTTTTTTTTTAAATGGGGTAAAAATCAATGCAACCCCATCTTGTGTTTAGGAATTTGAGAACTAAT AAATGCACCTTAATGGTCAGTGTTCCTTCAAACATGTGAGTTCTTTAACAAAAATGAAATAAACCCAGG TGTCTGTGATTTCTAATTAATCACCGCTGGCCATTACACAGGTTTTGTTGTTTGGGGTGGGGAGGGGGC TTTTGTTCCCTTTTGACATAATATAGTCAATGCACTAACAAATTATGTATATTTCAAACCTGATTATTTTA AATTCGATCTTCAGCTGTACTGTAATAGGGTACTGCATTGTAGTCTCCATATCTGTATTACTTTTCTG TAATATTTAAGAGTTGCTTAAAAGCATACAAAAATGACTGTTACTAAAACAGCTAATTTTCTCTCTC CCCCTTTGACAGGAAGGGCTTCAGTTGTTCCCTCCATGGCTAGAACCATAATAACAATGTACCCGTAA TTTGTAACATAAAGTATTGCAATATGTTAGTAACAATCTTGCAGCCTTCCTTTCCAAAAGTTCATTTTAT TTTGATCAGTTCAGTATATTGCACTAATTTTAAAGTATTTTATTATATGAAAGCTACCATGTGTCA GAGATGATTTAATCTATTTAAGTGTGGACTGCTAGGAGAACTGTACATTTATGATAATGCAGAATTA GGAAAACGGTTCACCAGTGTGTTAGTTTTATATTGAGGTGCTCAGGTTGGAATAAAGTGGTATAAAAAAGC AA ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG</pre>
<b>Restriction Sites:</b>	Sgfl-Mlul
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_004162.5</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 sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. RAB5A is required for the fusion of plasma membranes and early endosomes (PubMed:10818110, PubMed:14617813, PubMed:16410077, PubMed:15378032). Contributes to the regulation of filopodia extension (PubMed:14978216). Required for the exosomal release of SDCBP, CD63, PDCD6IP and syndecan (PubMed:22660413). Regulates maturation of apoptotic cell-containing phagosomes, probably downstream of DYN2 and PIK3C3 (By similarity).[UniProtKB/Swiss-Prot Function]

**Locus ID:**

5868

**MW:**

53.6