

## Product datasheet for SC322384

### RAB38 (NM\_022337) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RAB38 (NM_022337) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB38
Synonyms:	NY-MEL-1; rrGTPbp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322384  
 CAGGCTGCGCTTCCTGGTCAGGCACGGCAGTCTGGCCGGCCGAGGATGCAGGCCCC  
 GCACAAGGAGCACCTGTACAAGTTGCTGGTGATTGGCGACCTGGGCGTGGGGAAGACCAG  
 TATCATCAAGCGCTACGTGCACCAGAACTTCTCCTCGCACTACCGGGCCACAATCGGCGT  
 GGACTTCGCGCTCAAGGTGCTCCACTGGGACCCGAGACTGTGGTGCGCCTGCAGCTCTG  
 GGATATCGCAGGTCAAGAAAAGATTTGAAAACATGACGAGGGTCTATTACCGAGAAGCTAT  
 GGGTGCATTTATTGTCTTCGATGTACCAGGCCAGCCACATTTGAAGCAGTGGCAAAGTG  
 GAAAAATGATTTGGACTCCAAGTTAAGTCTCCCTAATGGCAAACCGGTTTCAGTGGTTTT  
 GTTGGCCAACAAATGTGACCAGGGGAAGGATGTGCTCATGAACAATGGCCTCAAGATGGA  
 CCAGTTCTGCAAGGAGCACGGTTTCGTAGGATGGTTTGAACATCAGCAAAGGAAAATAT  
 AACATTGATGAAGCCTCCAGATGCCTGGTGAACACATACTTGCAAATGAGTGTGACCT  
 AATGGAGTCTATTGAGCCGGACGTCGTGAAGCCCATCTCACATCAACCAAGTTGCCAG  
 CTGCTCTGGCTGTGCCAAATCCTAGTAGGCACCTTTGCTGGTGTCTGGTAGGAATGACCT  
 CATTGTTCCACAAATTTGTGCCTCTATTTTTACCATTTTGGGTAACGTCAGGATAGATAT  
 ACCACATGTGGCAAGCCAAGATCTATGCCTCTGTTTTTCAATGAGAGAGAAAATAGCAA  
 ATGTTCTTTCTATGCTTTCTCACCATCATCACAGTGTTTACAACTTTTGAAAATATTT  
 AGTCTGTTACAACTTCTGTCTGTAGCTGACCAAAATCCTGCAGGGCCACAGTCGGCAC  
 TGTTATTTGCTTCTTTAATCAGCAAAGCCTCAAGTCTTAAAAATAAAGGGGAGAAGAA  
 CAACTAGCTGTCAAGTCAAGGACTGGCTTTACCTTGGCCTGGTGTCTTTTTCCAGATT  
 TCAATATATTCTCTGATGGCCTGACAGGCTATTAAGTAGATGTGATATTTTCTCCAAG  
 ATGACCTCCATTCTCGGAGACCTAAGAGTTGCCTCTGAGTTAGCTCTTTGGAATCGTGA  
 ACACAGGTGTGCTATATTGCCTTGTCTAACTGTCACTTGCCATGGCCTGAATGTTGGC  
 TTAAGTGAATATTGTATGAAAAGACATGCCTCCATATGTGCCTTTCTGTTAGCTTTCTCT  
 GACTCAAGCTGTGGGCTCCTCTATACATGCTATACATGAATATATATATATATATTT  
 TTGCAAGTGAACAATAAAACATTAAGATGCTGTTTCCCTATTTAAAAAAAAAAAAAAAA  
 AAAAA



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_022337
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_022337.1</a> , <a href="#">NP_071732.1</a>
<b>RefSeq Size:</b>	1412 bp
<b>RefSeq ORF:</b>	636 bp
<b>Locus ID:</b>	23682
<b>UniProt ID:</b>	<a href="#">P57729</a>
<b>Cytogenetics:</b>	11q14.2
<b>Domains:</b>	ras, RAN, RAS, RHO, RAB
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	May be involved in melanosomal transport and docking. Involved in the proper sorting of TYRP1. Involved in peripheral melanosomal distribution of TYRP1 in melanocytes; the function, which probably is implicating vesicle-trafficking, includes cooperation with ANKRD27 and VAMP7 (By similarity). Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and M.tuberculosis (PubMed:21255211). Plays an important role in the control of melanin production and melanosome biogenesis (PubMed:23084991). In concert with RAB32, regulates the proper trafficking of melanogenic enzymes TYR, TYRP1 and DCT/TYRP2 to melanosomes in melanocytes (By similarity).[UniProtKB/Swiss-Prot Function]