

Product datasheet for SC209326

RAB38 (NM_022337) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RAB38 (NM_022337) Human 3' UTR Clone
Symbol:	RAB38
Synonyms:	NY-MEL-1; rrGTPbp
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_022337
Insert Size:	767 bp
Insert Sequence:	<p>>SC209326 3'UTR clone of NM_022337</p> <p>The sequence shown below is from the reference sequence of NM_022337. 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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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GCCAGCTGCTCTGGCTGTGCCAAATCCAGTAGGCACCTTTGCTGGTGTCTGGTAGGAATGACCTCATT
GTTCCACAAATTGTGCCTCTATTTTTACCATTTGGGTAAACGTCAGGATAGAGATACCACATGTGGCA
AGCCAAAGATCTATGCCTCTGTTTTTCAGTGAGAGAGAAATAGCAAATGTTCTTTCTATGCTTTCTC
ACCATCATCACAGTGTTTACAACTTTTAAAAATATTTAGTCTGTTACAACTTCTGTCTAGTGTGA
CCAAAATCCTGCAGGGCCACAGTCGGCACTGTTATTTGCTTCTTTAATCAGCAAAGGCCTCAAGTCTT
AAAATAAAAGGGGAGAAGAACTAGCTGTCAAGTCAAGGACTGGCTTTCACCTTGCCCTGGTGTCT
TTTTCCAGATTTTCAGTATATTCTCTGATGGCCTGACAGGCCTATTAAGTAGATGTGATATTTCTCCCA
AGATGACCTCCATTCTCGGCAGACCTAAGAGTTGCCTCTGAGTTAGCTCTTTGGAATCGTGAACACAGG
TGTGCTATATTGCTCTTGTCTAACTGTCACTTGCCATGGCCTGAATGTTGGCTTAACTGAATATTGTA
TGAAAAGACATGCCTCCATATGTGCCTTTCTGTTAGCTTTCTCTGACTCAAGCTGTGGGGCTCCTCTAT
ACATGCTATACATGTAATATATATATATATATTTTTGCAAGTGAACAATAAAACATTAAGATGCTG
TTTCCCTA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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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:	<u>NM_022337.3</u>
Summary:	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]
Locus ID:	23682
MW:	29.1