

Product datasheet for **SC214076**

RAB8A (NM_005370) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RAB8A (NM_005370) Human 3' UTR Clone
Symbol:	RAB8A
Synonyms:	MEL; RAB8
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005370
Insert Size:	1960 bp



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Insert Sequence: >SC214076 3'UTR clone of NM_005370
 The sequence shown below is from the reference sequence of NM_005370. 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
AGCAGCTTTTTCCGATGTGTTCTTCTGTGAGGAACACCGCCTTACTCTGAGCCTCGCTCAGCCAGCTG
ACTGTGCCTGTTCTGAGTGAGCCCTCACTCAGCCGGGGCCCTCCACCTCCAACGCCCCGCCACGCC
GCGGCCACCGGGCCACGGCCACCAGAATGCAATTGAGAAATCGTTTATTTTAGTAACTGTCTGATCTT
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CCCACAGTTGTATTCAGAGAGAGAGAGGGAGTCAAGGTGTGACCGTCGACCACAGCCAGTGTCCAGG
CCTCTGCCTCTGGGCCTTTGCTTTGTGGCCTCACTGCAACACAAAGCTCCACCAGGAGGCTGGTTCCAG
TCCCCTACCACGGAAGCGAGGTCCAGAAGGCCAGCGGTGGTTCCAGGAGCAACAGCTCCCAAACCTG
AGCAAGGCAACCGATCGCCAGGACCAGGAAGCATCACCCAGGAGATTTGGCGCCACTTCCACCTCTTC
TCTCAGTTTTGGACAAGTGACAAACATTTTGCCCTCACTCTCTTTTTTAACGTGTTAAACCAAAGG
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CCACAGCCAGGGTTAGGTCTGCAGGCCGTCTGCGGTCCCATCGAGCATCAAGGGGACGCTGTGTGT
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AGCACAAAATGGCCCCACTCCTTCGTGCTCCTCCGCTATCTCCAAATCGGACGTTCTTTCTAGCTGA
GATTTTTATTTTTCCACATCTGTAGTGCCATGAAGCGATTCTGTCTTTGACTTCCAATGGCAAACCTGG
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TAAATGCACTTAAGGAAAACAACAAATTAAGGCTCATCTTAAAGTCCAAGGATTTTTATGTCCACATT
TTCCCTGTAGGCCACACGGACATGGCCAGGTGCTGGGGTGGGTCTGGACAAGATGGTAGAGCCCATGG
ATTACCCATCGAGCGGCCACCTCAGAGGAGATGCCACCCATCATCAAAGACTAAATGGGAAAAGAA
GCCTCCTGGCTTGGTGCAGTGGCTCACACCTGTAATCCCAGCACTCTGGGAGGCCAAGGCGGGCTGATC
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CAGCTCGGCCACTGTGTCCCTCCTGCCTCCCTGGCAGGTCTTCTAGGGGCCCTCCTGCTGGCTTT
CCAGGGCATTCTTCACTCTATCCAGGTCTTCCAAAGACCACCCAGGTCCAGTATTCCCTAGG
ACTTGGCAGAGAGCTGTACTCACAGCAAGATCACAGCAAAATCAGCAAAGGGAAAAGGCATGCAGAGT
GAAGTCCAGAGGCAACCAGACAGAAGCATCCAGAATCCTCTCACAGTGGGGTACACACCCCATGCTTA
ACTCCCCAACAAATGAGTTGTAACAACA
ACGCGTAAAGCGCCCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_005370.5](#)

Summary:

The protein encoded by this gene is a member of the RAS superfamily which are small GTP/GDP-binding proteins with an average size of 200 amino acids. The RAS-related proteins of the RAB/YPT family may play a role in the transport of proteins from the endoplasmic reticulum to the Golgi and the plasma membrane. This protein shares 97%, 96%, and 51% similarity with the dog RAB8, mouse MEL, and mouse YPT1 proteins, respectively and contains the 4 GTP/GDP-binding sites that are present in all the RAS proteins. The putative effector-binding site of this protein is similar to that of the RAB/YPT proteins. However, this protein contains a C-terminal CAAX motif that is characteristic of many RAS superfamily members but which is not found in YPT1 and the majority of RAB proteins. Although this gene was isolated as a transforming gene from a melanoma cell line, no linkage between MEL and malignant melanoma has been demonstrable. This oncogene is located 800 kb distal to MY09B on chromosome 19p13.1. [provided by RefSeq, Jul 2008]

Locus ID:

4218

MW:

71.5