

Product datasheet for **SC110993**

RAB1A (NM_004161) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB1A (NM_004161) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB1A
Synonyms:	RAB1; YPT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_004161 edited ATGTCCAGCATGAATCCCGAATATGATTATTTATTCAAGTTACTTCTGATTGGCGACTCA GGGGTTGGAAAGTCTTGCCTTCTTCTTAGGTTTGCAGATGATACATATACAGAAAGCTAC ATCAGCACAATTGGTGTGGATTTCAAATAAAGAACTATAGAGTTAGACGGGAAAACAATC AAGCTTCAAATATGGGACACAGCAGGCCAGGAAAGATTTGGAACAATCACCTCCAGTTAT TACAGAGGAGCCCATGGCATCATAGTTGTGTATGATGTGACAGATCAGGAGTCCTTCAAT AATGTTAAACAGTGGCTGCAGGAAATAGATCGTTATGCCAGTGAAAATGTCAACAAATTG TTGGTAGGGAACAAATGTGATCTGACCACAAAGAAAGTAGTAGACTACACAACAGCGAAG GAATTTGCTGATCCCTTGAATTCCGTTTTTGGAAACCAGTGCTAAGAATGCAACGAAT GTAGAACAGTCTTTCATGACGATGGCAGCTGAGATTA AAAAGCGAATGGGTCCCGGAGCA ACAGCTGGTGGTCTGAGAAGTCCAATGTTAAAATTCAGAGCACTCCAGTCAAGCAGTCA GGTGGAGGTTGCTGCTAA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004161 unedited
 GGTATACGACTCACTATAGGGGCGGCCGGAATTCGCACGAGGGTGGCGGCGGGCAGC
 TGCAGTGACATGTCCAGCATGAATCCCGAATTGATTATTTATTCAAGTTACTTCTGATTG
 CCGACTCAGGGGTTGGAAAGTCTTGCCCTTCTTCTAGGTTTGCAGATGATACATACAG
 AAAGCTACATCAGCACAATTGGTGTGGATTTCAAATAAGAAGTATAGAGTTAGACGGGA
 AAACAATCAAGCTTCAAATATGGGACACAGCAGGCCAGGAAAGATTTGAAACAATCACCT
 CCAGTTATTACAGAGGAGCCCATGGCATCATAGTTGTGTATGATGTGACAGATCAGGAGT
 CCTTCAATAATGTTAAACAGTGGCTGCAGGAAATAGATCGTTATGCCAGTGAAAAATGTCA
 ACAAATGTTGGTAGGGAACAAATGTGATCTGACCACAAAGAAAGTAGTAGACTACACAA
 CAGCGAAGGAATTTGCTGATTCCCTTGGAAATCCGTTTTTGGAAACCAGTGCTAAGAATG
 CAACGAATGTAGAACAGTCTTTCATGACGATGGCAGCTGAGATTAAGGCGAATGGGTC
 CCGGAGCAACAGCTGGTGGTGTGAGAAGTCCAATGTTAAATTCAGAGCACTCCAGTCA
 AGCAGTCAGGTGGAGGTTGCTGCTAAAAATTTGCCTTCATCCTTTTCTCACAGCAATGAAT
 TTGCAATCTGAACCAAGTGAACAAAACAAATTCCTGAATTGTACTGTATGTAGCTGCA
 CTACAACAGATTCTTACCGTCTCCACAAAGGTCAGAGATTGTAATGGGTCATACTGACT
 TTTTTTTTATTCCCTTGACTCAAGACAGCTACTTCATTTNAGAACTGTNNTAACCCCTTN
 GTGTGCTGGGGTTATAATAAAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004161 unedited
 GCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAA
 AGAAAATATGATTTTTATGGGAAATTTTCATAAAGGAAAAATGGAATATTCGGCCCAT
 TTAATTTAACAATTTTAAACCACTTATTTTTGAACCATGTTTTAAATGGCCTGTTTAG
 GGAAAAATAAAATTTAAAAAACCTATTCTTTTTGGGCTGGGGTTAACCTAAAATTTTAT
 CATTAAATAAAGGACCCACAACAAAAGGGTGGCCAGCAGCCATATCCCAACCCCTGC
 GGGAAAAATGTTGGGCTGCTTTTTCAACCTAAGGAAACAACGTTGGACCTCAGTCACCT
 TAAAAGGCCAGGGGGGCAAAAAATTTTTATTCTCACATTTAAAAACCAACAAAACC
 CCCTAGGATCTTGAAGGCCCTATTTAAAAAATCTTCATATATGCAAAAAGGTCACCAAAA
 TAAATACTTTGGCCTCAATTATCATTACCACCCAGTATTCATGTTTAAATTTTAAAGGAT
 ATAATTTCTAAATTTAAAGCAATCAAATCCCTGCTTCTATCTTAAGGCTAAAACCTC
 CTCCAACCAAGTTAAGCAACGGTGGAGGATAAAATAGTGAATCTGACTGAAAGCATG
 GAAGAAAACCATAGCACACATTATTCTGATCATTGGCCAATTAGGAAAGATGCTGCTTT
 CTACCTCTACACAGATGCTTTTATGAAATGTGGATCAATGAACCTTTTCCAAAGGTTTT
 AGAGAAGAACAGNAATAACGGGCTAAATACAACTTCTAACTTGTTTAACTATAGTTGG
 ACCCCCGAACCCTGAAGTGGCTTAAACCTACCAACCAGAACCCTCTAGGAATGGT
 ATGGGGCATATCTAAAAGCAATACGGAAGCCGGCCTAAGAAAGCTTAAAACTTATTT
 TGCTTGCGCACCACAAGGCTGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_004161

Insert Size:

2260 bp

OTI Disclaimer:

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).

Components:

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).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_004161.3 , NP_004152.1
RefSeq Size:	2496 bp
RefSeq ORF:	618 bp
Locus ID:	5861
UniProt ID:	P62820
Cytogenetics:	2p14
Domains:	ras, RAN, RAS, RHO, RAB, ARF
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes a member of the Ras superfamily of GTPases. Members of the gene family cycle between inactive GDP-bound and active GTP-bound forms. This small GTPase controls vesicle traffic from the endoplasmic reticulum to the Golgi apparatus. Multiple alternatively spliced transcript variants have been identified for this gene which encode different protein isoforms. [provided by RefSeq, Oct 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and it encodes the longer protein (isoform 1).</p>