

Product datasheet for **SC106297**

RAB1A (BC000905) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB1A (BC000905) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB1A
Synonyms:	DKFZP564B163; DKFZp564B163; GTP binding protein Rab1a; RAB1; RAB1, member RAS oncogene family; RAB1A, member RAS oncogene family; Rab GTPase YPT1 homolog; YPT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC000905, the custom clone sequence may differ by one or more nucleotides

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ATGTCCAGCATGAATCCCGAATATGATTATTTATTCAAGTTACTTCTGATTGGCGACTCAGGGTTGGAA
AGTCTTGCTTCTTCTTAGGTTTGCAGATGATACATATACAGAAAGCTACATCAGCACAATTGGTGTGGA
TTTCAAATAAGAACTATAGAGTTAGACGGGAAAACAATCAAGCTTCAAATATGGGACACAGCAGGCCAG
GAAAGATTTGGAACAATCACCTCCAGTTATTACAGAGGAGCCCATGGCATCATAGTTGTGTATGATGTGA
CAGATCAGGAGTCCTTCAATAATGTTAAACAGTGGCTGCAGGAAATAGATCGTTATGCCAGTGAAAATGT
CAACAAATTGTTGGTAGGGAACAAATGTGATCTGACCACAAGAAAGTAGTAGACTACACAACAGCGAAG
GAATTTGCTGATCCCTTGAATTCCGTTTTTGGAAACCAGTGCTAAGAATGCAACGAATGTAGAACAGT
CTTTCATGACGATGGCAGCTGAGATTAAGGCGAATGGGTCCCGGAGCAACAGCTGGTGGTCTGAGAA
GTCCAATGTTAAATTCAGAGCACTCCAGTCAAGCAGTCAGGTGGAGTTGCTGCTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC000905 unedited NAAACGTATCAGGGATATTTGTNAATACGCACTCCACNATAGGGGCGGGCCGCGCAATTC GGCACGAGGATTTGGGTGGAAGCGATAGCTCGATGGCGGGGGGGGGGATTGTGTTCTA NGGGACGGAGTANGGGAAGACGTTTGTCTCCCGAACAGCCTATCTCATTCTTTCTTT CGATTACCCGTGGCGCGGAGAGTCAGGGCGGGCTGCGGCAGCAAGGGCGGCGGTGGCG GCGGCGGCAGCTGCAGTGAGGTGTCAGCATGAATCCCGAATATGATTATTTATTCAAGT TACTTCTGATTGGCGACTCAGGGTTGGAAAGTCTTGCCTTCTTCTTAGGTTTGAGATG ATACATATACAGAAAGCTACATCAGCACAAATTGGTGTGGATTTCAAATAAGAAGTATAG AGTTAGACGGGAAAACAATCAAGCTTCAAATATGGGACACAGCAGGCCAGGAAAGATTTT GAACAATCACCTCCAGTTATTACAGAGGAGCCCATGGCATCATAGTTGTGTATGATGTGA CAGATCAGGAGTCCTTCAATAATGTGAAACAGTGGCTGCGGGAAATAGATCGTTATGCCA GTGAAATGTCAACAAATGTTGGTAGGGAACAAATGTGATCTGACCACAAGAAAGTAGT AGACTACACAACAGCGAAGGAGATTGCTGAGTCCCTTGGAAATCCGTTTTTGGGAACCAG TGCTAAGAATGCAACGAATGTGGAACAGTCTTTCATGACGATGGCAGCTGAGATTA GCGAATGGGTCCCGGAGCACAGGTGGTGGTGTGCTGAGAAGTCCATGTTAAATTCAGAGCCT CCAGTANCAGTCAGGTGGAGTTGCTGCTANATTTGCCTCCTCTTTCTCACAGCATGA TTTGCATCTGACCCAGTGAACAAA
Restriction Sites:	NotI-NotI
ACCN:	BC000905
Insert Size:	2350 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:	<u>BC000905.2, AAH00905.1</u>
RefSeq Size:	1433 bp
RefSeq ORF:	618 bp
Locus ID:	5861
Cytogenetics:	2p14
Domains:	ras, RAN, RAS, RHO, RAB, ARF
Protein Families:	Druggable Genome

Gene Summary:

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]