

Product datasheet for **SC105120**

RAB1A (AK055927) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB1A (AK055927) 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 within SC105120 sequence for AK055927 edited (data generated by NextGen Sequencing) ATGTCCAGCATGAATCCCGAATATGATTATTTATTCAAGTTACTTCTGATTGGCGACTCA GGGGTTGGAAAGTCTTGCCTTCTTCTTAGGTTTGCAGAGTCCTTCAATAATGTTAAACAG TGGCTGCAGGAAATAGATCGTTATGCCAGTGAAAATGTCAACAAATTGTTGGTAGGGAAC AAATGTGATCTGACCACAAAGAAAGTAGTAGACTACACAACAGCGAAGGAATTTGCTGAT TCCCTTGGAAATCCGTTTTTGGAAACCAGTGCTAAGAATGCAACGAATGTAGAACAGTCT TTCATGACGATGGCAGCTGAGATTA AAAAGCGAATGGGTCCCGGAGCAACAGCTGGTGGT GCTGAGAAAGTCCAATGTTAAAATTCAGAGCACTCCAGTCAAGCAGTCAGGTGGAGTTGC TGCTAA Clone variation with respect to AK055927.1 54 t=>c



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for AK055927 unedited</p> <pre> ATTTGTATACGACTACTATAGGCGGCCGCGNAATTCGCACGAGGCCTCGTGCCGAATTC GGCAGCAGGGGCTGAGTGGCGGGCTGCTGATTGTGTTCTAGGGGACGGAGTAGGGGAAG ACGTTTGTCTCCTCCGGAACAGCCTATCTCATTCTTTCTTTTCGATTACCCGTGGCGCGGA GAGTCAGGGCGGGCTGCGGCAGCAAGGGCGGGTGGCGGGCGGCAGCTGCAGTGA CATGTCCAGCATGAATCCCGAATATGATTATTTATTCAAGTACTTCTGATTGGCGACTC AGGGTTGGAAAGTCTTGCCCTTCTTAGGTTTGCAGAGTCTTCAATAATGTTAAACA GTGGCTGCAGGAAATAGATCGTTATGCCAGTGAAAATGTCAACAAATTGTTGGTAGGGAA CAAATGTGATCTGACCACAAAGAAAGTAGTAGACTACACAAACAGCGAAGGAATTTGCTGA TTCCCTTGGAAATCCGTTTTGGAAACCAGTGCTAAGAATGCAACGAATGTAGAACAGTC TTTCATGACGATGGCAGCTGAGATTAAGGCGAATGGGTCGCGGAGCAACAGCTGGGTG GTGCTGAGAAAGTCCAATGTTAAATTCAGAGCACTCCAGTCAAGCAGTCAGGTGGAGGT TGCTGCTAAAATTTGCCTCCATCTTTTCTCACAGCAATGAATTTGCATCTGAACCCCA AGTGAAAAACANAATTGCCTGAATGGTACTGTATGGTAGCTGACTACAACAGATTTCTT ACCCGTCTCCACAAAGGTCANAGATTGTAATGGGCAATACTGACTTTTTTTTTTATTCCC TTGACTCAAGACAGCTAACTTTTCATTTTCAAGACTGTTTTAAACCTCTGGGGCCGGA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for AK055927 unedited</p> <pre> CACTTCCAGGGCCGGAATAGCACTGGGGAGGGTACAGGGATGCCACCCGGGATCTGTT CAGGAAACAGCTATGACCGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGA TATTACTTCCAATAAGTACAATATTTATTAACATATCTTCAGTTGTTTTGTTACATAGT GTGCAACAAATTACAATATTCTGCAGCCACAAATTATATGCAGAGTATGAAGAACTATT AATCAGATAGTGAATCTTTCCATTTATAACTCTACAAGGAAGAACTAGCAAATCAGATC TTACATATAACATCTCACTAACTTTATGCATGGAAAGTGACAGACTGCTTGTGCTGT TTGATACAAAATGGCTGAACTTCATCTTCAAGAACTAAACCTGACATCTAAACATGCCA ATATAACATCAAAACAAAATATATTCTAACCAACCACGGGAAACAGTCTGGTATCAGGA AAGCAACAAGGATTACACACATTATTTATAAACCAGCACACAAAGGTTTAAACAGTTC TGAAAATGAAGTTAGCTGTCTTGAGTCAAGGGAATAAAAAAAGTCAGTATTGACCATT TACAATCTCTGACCTTTGTGGAGACGGTAAGAATCTGTTGTAGTGCAGCTACATACAGTA CAATTCAGGCAATTTGTTTTTCACTTGGGTTTCACTGATTGCANATTCATTGCTGTGAGAA AAGGGATGGAGGCAATTTAGCAGCAACCTTACCTGACTGCTTACTGGAGTGGTCTGA ATTTTACATTGGACTTCTCAGCACACCAGCTGTTGCTNCGGGACCCATTGCTTTTTTAT CTCAGCTGCCATCGCATGAAAGACTGGTCTACATTCGTTGCATTCTTAGCACTGGGTTCC AN </pre>
Restriction Sites:	NotI-NotI
ACCN:	AK055927
Insert Size:	1360 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:	AK055927.1 , BAB71048.1
RefSeq Size:	2257 bp
RefSeq ORF:	426 bp
Locus ID:	5861
Cytogenetics:	2p14
Domains:	ras, RAS, RHO, RAB
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]