

Product datasheet for SC116889

RND3 (NM_005168) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RND3 (NM_005168) Human Untagged Clone
Tag:	Tag Free
Symbol:	RND3
Synonyms:	ARHE; memB; Rho8; RhoE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116889 sequence for NM_005168 edited (data generated by NextGen Sequencing)

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ATGAAGGAGAGAAGAGCCAGCCAGAAATTATCCAGCAAATCTATCATGGATCCTAATCAG
AACGTGAAATGCAAGATAGTTGTGGTGGGAGACAGTCAGTGTGGAAAACTGCGCTGCTC
CATGTCTTCGCCAAGGACTGCTTCCCCGAGAATTACGTTCTACAGTGTTTGAGAATTAC
ACGGCCAGTTTTGAAATCGACACACAAAGAATAGAGTTGAGCCTGTGGGACACTTCGGGT
TCTCCTTACTATGACAATGTCCGCCCTCTCTTACCCTGATTCCGGATGCTGTGCTGATT
TGCTTTGACATCAGTAGACCAGAGACCCTGGACAGTGCCTCAAAAAGTGGAAAGGTGAA
ATCCAGGAATTTGTCCAAATACAAAATGCTCTTGGTCGGCTGCAAGTCTGATCTGCGG
ACAGATGTTAGTACATTAGTAGAGCTCTCCAATCACAGGCAGACGCCAGTGCCTATGAC
CAGGGGGCAAATATGGCCAAACAGATTGGAGCAGCTACTTATATCGAATGCTCAGCTTTA
CAGTCGGAAAATAGCGTCAGAGACATTTTTACGTTGCCACCTTGGCATGTGTAATAAG
ACAAATAAAAACGTTAAGCGGAACAAATCACAGAGAGCCACAAAGCGGATTTACACATG
CCTAGCAGACCAGAACTCTCGGCAGTTGCTACGGACTTACGAAAGGACAAAGCGAAGAGC
TGCACTGTGATGTGA

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Clone variation with respect to NM_005168.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005168 unedited GGGTTCAGAAATTTGTAATACGACTTACTATAGGGNCCGGCCGCGCAATTCGGCACGAGGG GCCGGTGAGGTAGTTTCAGGCTTAAAACTTGTGGAGGGGAGTAACCAGCCTGCTCCTCTC GCTCTCCTCCTCGTCTGCGCCGCGTTTCAGAGGTTGCCCATCAGCCTTGTGATTTATTTT TATATCTGCTTTTTATAAAGAGAGAAAATATATATATATATATATATATATATTTTTTTTCTT CTTAAGAGAAAATTCCTGTTCCAAGAGAAAATAAGGCAACATCAATGAAGGAGAGAAGAG CCAGCCAGAAAATTCCAGCAAATCTATCATGGATCCTAATCAGAACGTGAAATGCAAGA TAGTTGTGGTGGGAGACAGTCAGTGTGGAAAACTGCGCTGCTCCATGTCTTCGCCAAGG ACTGCTTCCCGAGAATTACGTTCTACAGTGTGGAGAATTACACGGCCAGTTTTGAAA TCGACACACAAAGAATAGAGTTGAGCCTGTGGGACACTTCGGGTTCTCCTTACTATGACA ATGTCCGCCCCCTCTTACCCTGATTCCGATGCTGTGCTGATTTGCTTTGACATCAGTA GACCAGAGACCCTGGACAGTGTCTCAAAAAGTGGAAAGGTGAAATCCAGGAATTTTGTC CAAATACCAAAATGCTCTGGTCCGCTGCAAGTCTGATCTGCGGACAGATGTTAGTACAT TAGTAGAGCTCTCAATCACAGGCAGACCCAGTGTCTATGACCAGNGGCANATATGG CCAAACAGATTGGAGCAGCTACTTATATCGAATGCTCAGCTNTACAGTCGGAANATAGCG TCAGAGACATTTTTACGTTGCCACCTGCCATGTGTAATAAGACAAAATAAACGTTAA GCGGNACAAATCACAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005168 unedited T TACTCTTTTATTTTGGAGNAAAAAAAAAGTTGTTTTAATAAATACTGCGGAAACATTGA CCAAACAAACATACACAGTGACTTCAACAGTTTAAAAATGCAACAAAAGTTCTGCTTTA TAACAGTTATAACTTATTTTCTTTTACAATATTTAAATACAGAAAGCACTCGCCAGCTA TTTTGTAATACTGCCAAAGCATAATGCTGCATCAATCAAAGCATATTATGTTGGTAAAA TGCTGTATTTTATGGGAAATGACTGGAATCGAATTTTCTTGCAGAGACAAGACAAAAGT CTTGTAAGACATAGAAGTGAAGTGTGTAATTACCTTAATCTCTCCTGCCACGATTTAAGG GGAGCACAGCTTCAACACTTCAAAAACGAAGCACTATCATGGGAAAGAAAGCTCGTTTTT AACAAAGCGCCAACAATAAACAGGTGAGTCTGGTTTTCTCTGAAAGAAATCTCTAAAAG GAACTGGTCAAAAATATCTGTAACATTTTTAAATGCTTATTATTTTACGTAACAACAGA GACCAAGTGTGAACACAGACCTTGGCTGCGTCTGTTCAAGTGAAGTTTATGCAATGACAC TCTAGAAATGCCCTAGTGTATGTGAGGACTGAAAGTTTATCATATAATCTTNCCTAGG GATTCTCTAAAGCTTGGGTAAGTGGCATCTTCTCATCAATGTTCAATTAATGAAAAGT GAAATAAACCCAGATTATCAGATGCTGAGTTTTGGAGCTTCAACCACAAATATAGT CCTTTTGTCTTGTNATTTTGGTAACTAANTTCAGACAGCTTTACTCACAACTGGGCTTN CTGCTACTATTCTTCTTCACTCATTACCTTTTCTGGGAAAACAGAACTACCCTTTTT CTCTTCTGGGACATTTCTTACATAAACACAGCAACCTTTTTGATTTGGCTTTNTTTA ACCGTGGCAAAAATAACACACACTTTAAACAGCGCCAAAATTTCTTGGGCATTACACTT TTAGCAATCCATGGAACACAACCTCGACGAATAAACGCTATTNTTCTTTGAT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_005168
Insert Size:	2950 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_005168.3 , NP_005159.1
RefSeq Size:	2683 bp
RefSeq ORF:	735 bp
Locus ID:	390
UniProt ID:	P61587
Cytogenetics:	2q23.3
Domains:	ras, RAS, RHO, RAB
Gene Summary:	<p>This gene encodes a protein which is a member of the small GTPase protein superfamily. The encoded protein binds only GTP but has no GTPase activity, and appears to act as a negative regulator of cytoskeletal organization leading to loss of adhesion. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>