

Product datasheet for **SC322482**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322482
 GGACTTGGGAGGCGCGGTGAGGAGTCAGGCTTAAAACCTGTTGGAGGGGAGTAACCGCC
 TGCTCCTCTCGCTCTCCTCCTCGTCTGCGCCGCGTTTCAGAGAGAAAAATCCTGTTCCAA
 GAGAAAAAAGGCAACATCAATGAAGGAGAGAAGGCCAGCCAGAAAATTATCCAGCAAAT
 CTATCATGGATCCTAATCAGAACGTGAAATGCAAGATAGTTGTGGTGGGAGACAGTCAGT
 GTGGAAAAACTGCGCTGCTCCATGTCTTCGCAAGGACTGCTTCCCGAGAATTACGTTT
 CTACAGTGTGAGAATTACACGCCAGTTTTGAATCGACACACAAAAGAATAGAGTTGA
 GCCTGTGGGACACTTCGGTTCTCCTTACTATGACAATGTCGCCCCCTCTCTTACCCTG
 ATTCGGATGCTGTGCTGATTTGCTTTGACATCAGTAGACCAGAGACCCTGGACAGTGTC
 TCAAAAAGTGAAAGGTGAAATCCAGGAATTTTGTCCAAATACAAAATGCTCTTGGTCG
 GCTGCAAGTCTGATCTGCGGACAGATGTTAGTACATTAGTAGAGCTCTCCAATCACAGGC
 AGACGCCAGTGTCTATGACCAGGGGCAAAATGGCCAAACAGATTGGAGCAGCTACTT
 ATATCGAATGCTCAGCTTACAGTCGGAAAATAGCGTCAGAGACATTTTTACGTTGCCA
 CCTTGGCATGTGTAATAAGACAAATAAAAACGTTAAGCGGAACAATCACAGAGAGCCA
 CAAAGCGATTTACACATGCCTAGCAGACCAGAACTCTCGGCAGTTGCTACGGACTTAC
 GAAAGGACAAAGCGAAGAGCTGCACTGTGATGTGAATCTTTCATTATCTTAAATGAAGAC
 AAAGGAATCTAGTGTAACAAAACAACAGCAACAAAAGGTGAAGTCTAAATGAAGTGCAC
 AGCCAAAGTCACTATACCAGAGGCTTAGGAGGCGTTTGAGAGGATACTCATTTTTTGG
 AATCCTGACCTTAGGTTGCGCATGTAGACCAAGTATGAGAAGTGAATACATGGAAGAGT
 TTTAAGTGTGACTTGAAAAATATGCCAAAAATGAGAGATACAAATGAGCTAGAGGAAG
 ATGAGGGGGATGCGAGTACCTCAAGAAGAAAAATCACACTCTGAATGGTGCTTGCAAT
 TTTGGGTTTTTTTTTTTTTTGTTATAATCTATTCATGGATCTCCACTTTGATTTAATTTT
 TAAAGTGTAAATCTCCTTTACAAAAAGTATACGTTAATATACCGTCTCAAGGGGGAAC
 TGGCACTGTGACCTTAGCATTTAGTTTTCTAGAGGATGTGATCTAATTTCTTTCTAGCTC
 ATCATTAAAAAGGAAATTGTATCAGGACCCATGGGATATATCCAGAGGCAAACTTTATGA
 GGCTTTGAAATCTTGCTTCTGAAGATAGCTGAGTAGGATGGTCTAAGGAAAGCCTTT
 GCAATCTTGCAAGATTTGTAGACCAGCACTACAAAGATCGCATAGATCAATAGGAAAAA
 AAATGTCGATTTTTATTCAGTCTGATGGTCTGTTCTTTCATTGTGATTGTCATAAAAAG
 TGGTAAATGCTCAATGTAATATTTTTGTGCGCTGTTAGAAGTGTGTGATTTTTTGGC
 ATCGTTGATAAAAAATGCAAAGTCAAATAAAAGGTGCTTGGTTTGTGATGCATAGAATGAT
 CCAAGGAGAGAAAAAGGTAGTTACTGTTTTCCAGAAAAGGTAAATGAGTGAAGGAAAG
 AATAGTAGCAGAAAGCACAGTTTGTGAGTAAAGCTGTCTGGAATTAAGTTACAAAAATA
 CAAAGCAAAAGGACTATTATTTGGGTTGAAGCTCCAAAACCTGACAGCATCTGATAATCT
 GTTGGTTTATTTCACTTTTCATTAATGAACATTGATGAGAGAAGATGCCACTTACCCAA
 GCTTTAGAGAAATCCCTAGTGAAGATTATATGATAAACTTTCAGTCTGCATAACACTA
 GGGCATTCTAGAGTGTCTGTTGCTAAAACCTCACTGAACAGACGCGCAAGGCTGTGT
 TCAGCACTTGGTCTCTGTTGTTACGTAATAATAAGCATTAAAAATAGTTTACAGATAT
 TTTTGACCAGTTCCTTTAGAGATTCTTTCAGAGAAGAAACCAGATCTGACCTGTTTATT
 GTTGGCGCTTGTGAAAACGAGCTTTCTTCCCATGATAGTGCTTCGTTTTTGAAGTGTT
 GAAGCTGTGCTCCCTTAAATCGTGGCAGGAGAGATTAAGGTAATTACAACACTCAGTTC
 TATGTCTTACAAGCACTTTGCTTGTCTCTGCAAGAAAATTCGATTCCAGTCATTTCCCA
 TAAAAACAGACATTTTACCAACATAATATGCTTTGATTGATGCAGCATTATGCTTTGGG
 CAGTATTACAAAATAGCTGGCGAGTGTCTTCTGTATTTAAATATTGTA AAAAGAAAAATA
 GTTATAACTGTTATAAAGCAGAACTTTTGTGCAATTTTTAACTGTTGAAGTCACTGTG
 TATGTTTGTGTTGGTCAATGTTCCGCAGTATTTATTAACATACTTTTTTTTTTCTTCA
 AATAAAAAAGTAACCATGCTTTGTCTAAAAA AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_005168

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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>NM_005168.3</u> , <u>NP_005159.1</u>
RefSeq Size:	2683 bp
RefSeq ORF:	735 bp
Locus ID:	390
UniProt ID:	<u>P61587</u>
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>