

Product datasheet for **SC303645**

RND2 (NM_005440) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RND2 (NM_005440) Human Untagged Clone
Tag:	Tag Free
Symbol:	RND2
Synonyms:	ARHN; RHO7; RhoN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303645 representing NM_005440. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
 ATGGAGGGGCAGAGCGGCCGCTGCAAGATCGTGGTGGTGGGAGACGCAGAGTGGGCAAGACGGCGCTG
 CTGCAGGTGTTCCGAAGGACGCCTATCCCGGAGTTATGTCCCAACCGTGTTGAGAACTACACTGCG
 AGCTTTGAGATCGACAAGCGCCGATTGAGCTCAACATGTGGGACACTTCAGGTTCTCTACTATGAT
 AATGTCCGGCCTCTGGCCTATCCTGATTCTGATGCTGTGCTCATCTGCTTCGACATTAGCCGACCAGAA
 ACACTGGACAGTGTCTCAAGAAGTGGCAAGGAGAGACTCAAGAGTTCTGCCCCAATGCCAAGTTGTG
 CTGTTGGCTGTAACTGGACATGCGGACTGACCTGGCCACACTGAGGGAGCTGTCCAAGCAGAGGCTT
 ATCCCTGTTACACATGAGCAGGGCACTGTGCTGGCCAAGCAGGTGGGGGCTGTGTCTATGTTGAGTGC
 TCCTCCCGGTCTCTGAGCGCAGCGTCAGGGATGTCTTCATGTGGCTACAGTGGCTCCCTTGGCCGT
 GGCCATAGGCAGCTGCGCCGAACGACTCACGCCGGGGAATGCAGCGATCCGCTCAGCTGTCAAGACGG
 CCAGACCGGGGAATGAGGGCGAGATACACAAGGATCGAGCCAAAAGCTGCAACCTCAT**GTGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_005440
Insert Size:	684 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).


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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:	NM_005440.4
RefSeq Size:	4169 bp
RefSeq ORF:	684 bp
Locus ID:	8153
UniProt ID:	P52198
Cytogenetics:	17q21.31
MW:	25.4 kDa
Gene Summary:	<p>This gene encodes a member of the Rho GTPase family, whose members play a key role in the regulation of actin cytoskeleton organization in response to extracellular growth factors. This particular family member has been implicated in the regulation of neuronal morphology and endosomal trafficking. The gene localizes to chromosome 17 and is the centromeric neighbor of the breast-ovarian cancer susceptibility gene BRCA1. [provided by RefSeq, Jul 2008]</p>