

Product datasheet for **MG201388**

Rnd1 (BC048531) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnd1 (BC048531) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rnd1
Synonyms: A830014L09Rik; Arhs
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201388 representing BC048531
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGGAGAGACGGGCACCGCAGCCAGTGGTGGTCAGGTGTAAGCTCGTCCTGGTGGGAGACGTGCAGT
 GTGGGAAGACGGCGATGTTACAGGTGCTAGCGAAAGACTGCTATCCCAGACCTATGTGCCTACCGTGT
 TGAGAATTACACAGCCTGTTGGAGACAGAGGAACAGAGAGTGGAGCTTAGTCTCTGGGACACCTCAGGT
 TCTCCTACTATGACAAATGTTCCGTCCTCTGCTACAGCGACTCAGATCCGGTATTGCTGTGCTTTGACA
 TCAGCCGTCCAGAGACCATGGACAGTGCCTCAAGAAGTGGAGAACAGAAATCCTAGACTACTGTCCCAG
 CACACGTGTTTTGCTTATTGGCTGCAAGACAGATCTTGAACAGACCTGAGCACTCTAATGGAAGTCC
 CACCAGAAGCAGGCACCCATCTCCTACGAGCAGGTGTGTGTCATGTGTGTGTGTGTGTGTGTGTGTG
 TGTGTGTGTGTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201388 representing BC048531
 Red=Cloning site Green=Tags(s)

MKERRAPQPVVVRCKLVLVGDVQCGKTAMLQVLAKDCYPETYVPTVFENYTACLETEEQRVELSLWDTSG
 SPYYDNVRPLCYSDSAVLLCFDISRPETMDSALKKWRTEILDYCPSTRVLLIGCKTDLRDLSTLMELS
 HQKQAPISYEQVCVHVVCVVCVVCV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



[View online »](#)

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>BC048531.1</u>
RefSeq Size:	889 bp
RefSeq ORF:	506 bp
Locus ID:	223881
Cytogenetics:	15 F1
Gene Summary:	Lacks intrinsic GTPase activity. Has a low affinity for GDP, and constitutively binds GTP. Controls rearrangements of the actin cytoskeleton. Induces the Rac-dependent neuritic process formation in part by disruption of the cortical actin filaments. Causes the formation of many neuritic processes from the cell body with disruption of the cortical actin filaments (By similarity).[UniProtKB/Swiss-Prot Function]