

Product datasheet for MR201388

Rnd1 (BC048531) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rnd1 (BC048531) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Rnd1
 Synonyms: A830014L09Rik; Arhs
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >MR201388 representing BC048531
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAGGAGAGACGGCACCGCAGCCAGTGGTGGTCAGGTGTAAGCTCGTCCTGGTGGGAGACGTGCAGT
 GTGGGAAGACGGCGATGTTACAGGTGCTAGCGAAAGACTGCTATCCCAGACCTATGTGCCTACCGTGTT
 TGAGAATTACACAGCCTGTTGGAGACAGAGGAACAGAGAGTGGAGCTTAGTCTCTGGGACACCTCAGGT
 TCTCCTTACTATGACAATGTTCTGCTCACTCTGCTACAGCGACTCAGATCCGGTATTGCTGTGCTTTGACA
 TCAGCCGTCCAGAGACCATGGACAGTGCCTCAAGAAGTGGAGAACAGAAATCCTAGACTACTGTCCAG
 CACACGTGTTTTGCTTATTGGCTGCAAGACAGATCTTCGAACAGACCTGAGCACTCTAATGGAAGTGTCC
 CACCAGAAGCAGGCACCCATCTCCTACGAGCAGGTGTGTGTGCATGTGTGTGTGTGTGTGTGTGTGTG
 TGTGTGTGTGTGTG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201388 representing BC048531
 Red=Cloning site Green=Tags(s)

MKERRAPQPVVVRCKLVLVGDVQCGKTAMLQVLAKDCYPETYVPTVFENYTACLETEEQRVELSLWDTSG
 SPYYDNVRPLCYSDSDAVLLCFDISRPETMDSALKKWRTEILDYCPSTRVLLIGCKTDLRDLSTLMELS
 HQKQAPISYEQVCVHVVCVVCVVCVVCV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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:	BC048531.1
RefSeq Size:	889 bp
RefSeq ORF:	506 bp
Locus ID:	223881
Cytogenetics:	15 F1
MW:	32.6 kDa
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]