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Product datasheet for MC212716

Rnd1 (NM_172612) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnd1 (NM_172612) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnd1
Synonyms:	A830014L09Rik; Arhs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212716 representing NM_172612 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAAGGAGAGACGGGCACCGCAGCCAGTGGTGGTCAGGTGTAAGCTCGTCCTGGTGGGAGACGTGCAGT GTGGGAAGACGGCGATGTTACAGGTGCTAGCGAAAGACTGCTATCCCGAGACCTATGTGCCTACCGTGTT TGAGAATTACACAGCCTGTTTGGAGACAGAGGAACAGAGAGTGGAGCTTAGTCTCTGGGACACCTCAGGT TCTCCTTACTATGACAATGTTCGTCCACTCTGCTACAGCGACTCAGATGCGGTATTGCTGTGCTTTGACA TCAGCCGTCCAGAGACCATGGACAGTGCACTCAAGAAGTGGAGAACAGAAATCCTAGACTACTGTCCCAG CACACGTGTTTTGCTTATTGGCTGCAAGACAGATCTTCGAACAGACCTGAGCACTCTAATGGAACTGTCC CACCAGAAGCAGGCACCCATCTCCTACGAGCAGGGCTGTGCGATAGCCAAGCAGTTGGGCGCAGAAATCT ACCTGGAGGGCTCGGCTTTCACTTCCGAGACAAGCATCCACAGCATTTTCCGGACAGCATCCATGGTGTG TCTGAACAAGTCTAGCCCAGTGCCCCCGAAGAGCCCCGTCCGAAGCCTTTCCAAGCGACTCCTCCACCTC CCCAGTCGCTCTGAACTCATCTCAACTACATTCAAGAAGGAAAAGGCCAAAAGCTGTTCCATCATGTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_172612
Insert Size:	699 bp

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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:	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_172612.3, NP_766200.1
RefSeq Size:	2203 bp
RefSeq ORF:	699 bp
Locus ID:	223881
UniProt ID:	Q8BLR7
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]

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