

Product datasheet for **RR207587**

Rnd1 (NM_001013222) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnd1 (NM_001013222) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rnd1
Synonyms: MGC109441
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207587 representing NM_001013222
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGAGAGACGGACACCGCAGCCAGTGGTGGTCAGATGTAAGCTTGTGCTGGTGGGGACGTGCAGT
GTGGGAAGACGGCGATGTTACAGGTGCTAGCGAAAGACTGCTATCCCGAGACCTATGTGCCTACCGTGTT
TGAGAATTACACAGCCTGTTGGAGACAGAGGAACAGAGAGTGGAGCTTAGTCTCTGGGATACCTCAGGC
TCTCCGTACTATGACAATGTCCGTCCACTCTGCTACAGCGACTCGGATGCAGTGTGCTCTGCTTCGACA
TCAGCCGTCCAGAGACGATGGACAGTGCCTCAAGAAGTGGAGAACAGAAATCCTAGACTATTGTCCAG
CACACGTGTTTTGCTTATTGGCTGCAAGACAGATCTTCGAACAGACCTGAGCACTCTAATGGAAGTGTCC
CACCAGAAGCAGGCACCCATCTCCTACGAGCAGGGCTGTGCGATAGCCAAGCAGTTGGGTGCAGAGATCT
ACCTGGAGGGCTCAGCTTTCACCTCGGAGACGAGCATCCACAGCATCTCCGGACGGCATCCATGGTGTG
TCTGAACAAGCCTAGCCCAGTCCCCCGAAGAGCCCTGTCCGAAGCCTCTCCAAGCGACTACTCCACCTT
CCAGTCGCTCTGAAGTCACTCTACCTTCAAGAAGGAGAAGGCCAAAAGCTGTTCTATCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207587 representing NM_001013222
 Red=Cloning site Green=Tags(s)

MKERRTPQPVVVRCKLVLVGDVQCGKTAMLQVLAKDCYPETYVPTVFENYTACLETEEQRVELSLWDTSG
 SPYYDNVRPLCYSDSDAVLLCFDISRPETMDSALKKWRTEILDYCPSTRVLLIGCKDLRTDLSTLMELS
 HQKQAPISYEQGCAIAKQLGAEIYLEGSAFTSETSIHSIFRTASMVCLNKPSPVPPKSPVRSLSKRLLHL
 PSRSELITSTFKKEKAKSCSIM

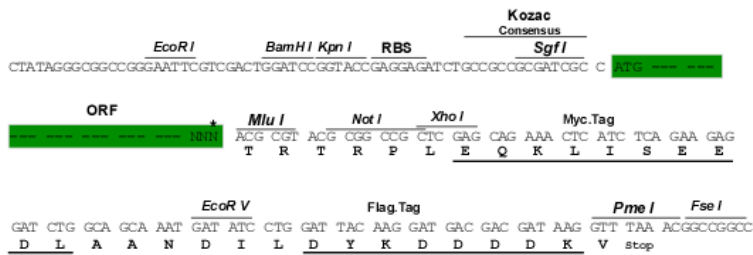
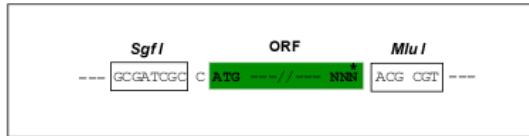
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

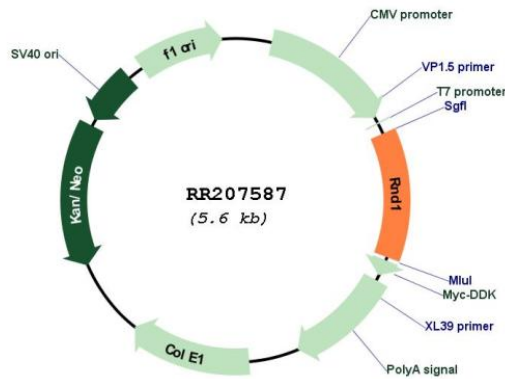
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001013222

ORF Size: 696 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001013222.1 , NP_001013240.1
RefSeq Size:	1639 bp
RefSeq ORF:	699 bp
Locus ID:	362993
Cytogenetics:	7q36
MW:	26.1 kDa