

Product datasheet for **RG232063**

NCR1 (NM_001242357) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NCR1 (NM_001242357) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: NCR1
Synonyms: CD335; LY94; NK-p46; NKP46
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG232063 representing NM_001242357
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTCCACACTCCCTGCCCTGCTCTGCGTCGGGCTGTGTCTGAGTCAGAGGATCAGCGCCAGCAGC
 AAATGTATGACACACCCACCTCTCGGTTTCATCTGGACCCGAAGTGATCTCGGGAGAGAAGGTGACCTT
 CTACTGCCGTCTAGACACTGCAACAAGCATGTTCTTACTGCTCAAGGAGGAAGATCCAGCCACGTACAG
 CGCGGATACGGGAAGGTCCAGGCGGAGTCCCCCTGGGCCCTGTGACCACAGCCACAGAGGGACATACC
 GATGTTTTGGCTCCTATAACAACCATGCCTGGTCTTCCCGAGTGAGCCAGTGAAGCTCCTGGTCACAGG
 CGACATTGAGAACACCAGCCTTGACCTGAAGACCCACCTTTCCTGACCATGCCCTCTGGGATCACACT
 GCCCAGAATCTCCTTCGGATGGGCTGGCCTTTCTAGTCTGGTGGCTCTAGTGTGGTTCCTGGTTGAAG
 ACTGGCTCAGCAGGAAGAGGACTAGAGAGCGAGCCAGCAGAGCTTCCACTTGGGAAGGCAGGAGAAGGCT
 GAACACACAGACTCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG232063 representing NM_001242357
 Red=Cloning site Green=Tags(s)

MSSTLPALLCVGLCLSQRISAQQQMYDPTLSVHPGPEVISGEKVTFCRLDTATSMFLLLKEGRSSHVQ
 RGYGKVVQAEFPLGPVTTAHRGTYRCFGSYNNHAWSPSEPVKLLVTGDIENTSLAPEDPTFPDHALWDHT
 AQNLLRMGLAFLVLVALVWFLVEDWLSRKRTREASRASTWEGRRRLNTQTL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

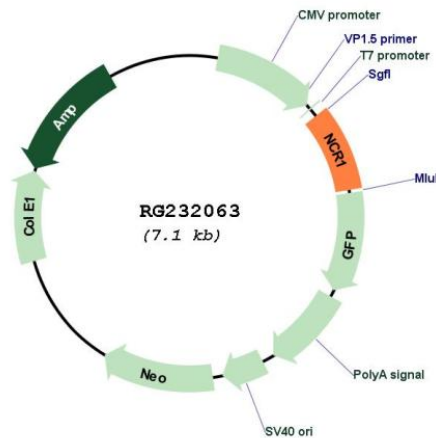


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001242357

ORF Size: 576 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:

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_001242357.3](#)

RefSeq Size: 817 bp

RefSeq ORF: 579 bp

Locus ID: 9437

UniProt ID: [O76036](#)

Cytogenetics: 19q13.42

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Natural killer cell mediated cytotoxicity

Gene Summary: Cytotoxicity-activating receptor that may contribute to the increased efficiency of activated natural killer (NK) cells to mediate tumor cell lysis.[UniProtKB/Swiss-Prot Function]