

Product datasheet for **RG233600**

NCR2 (NM_001199509) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NCR2 (NM_001199509) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: NCR2
Synonyms: CD336; dj149M18.1; LY95; NK-p44; NKP44
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233600 representing NM_001199509
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTGGCGAGCCCTACACCCACTGCTACTGCTGCTGCTGCTGTTCCAGGCTCTCAGGCACAATCCA
AGGCTCAGGTACTCAAAGTGTGGCAGGGCAGACGCTAACCGTGAGATGCCAGTACCCGCCACGGGCAG
TCTCTACGAGAAGAAAGGCTGGTGAAGGAGGCTTCAGCACTTGTGTGCATCAGGTTAGTACCAGCTCC
AAGCCCAGGACGATGGCTTGGACCTCTCGATTACAATCTGGGACGACCCTGATGCTGGCTTCTTCACTG
TCACCATGACTGATCTGAGAGAGGAAGACTCAGGACATTACTGGTGTAGAATCTACCGCCCTTCTGACAA
CTCTGTCTCTAAGTCCGTCAGATTCTATCTGGTGGTATCTCCAGCCTCTGCCTCCACACAGACCTCCTGG
ACTCCCCGCGACCTGGTCTCTTACAGACCCAGACCCAGAGCTGTGTGCCTCCCACTGCAGGAGCCAGAC
AAGCCCCTGAGTCTCCATCTACCATCCCTGTCCCTTACACCCCGTCTCTCCCTTCTGTCCCTCTGCC
TTCCAGGCCACAGAACTCCACGCTCCGCCCTGGCCCTGCAGCCCCATTGCCCTGGTGCCTGTGTTCTGT
GGACTCCTCGTAGCCAAGAGCCTGGTGTGTGAGCCCTGCTGCTGGTGGGTTTTAAGGAATCGGCACA
TGCAGCATCAAGGGAGGTCTCTGCTGCACCCAGCTCAGCCCAGGCCAGGCCATAGACACTTCCCCT
GAGCCACAGGGCACCAGGGGGACATATGGTGGAAAACCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG233600 representing NM_001199509
 Red=Cloning site Green=Tags(s)

MAWRALHPLLLLLLFPGSQAQSKAQVLQSVAGQTLTVRCQYPPTGSLYEKKGWCKEASALVCIRLVTSS
 KPRTMAWTSRFTIWDDPDAGFFVTMTDLREEDSGHYWCRIYRPSDNSVSKSVRFYLVVSPASASTQTSW
 TPRDLVSSQTQTQSCVPPTAGARQAPESPSTIPVPSHPSSPLPVPLPSRPQNSTLRPGPAAPIALVPVFC
 GLLVAKSLVLSALLVWVLRNRHMQHQRSLHHPAQPRPQHRHFPLSHRAPGGTYGGKP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001199509

ORF Size: 810 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_001199509.2](#)

RefSeq Size: 1084 bp

RefSeq ORF: 813 bp

Locus ID: 9436

UniProt ID: [O95944](#)

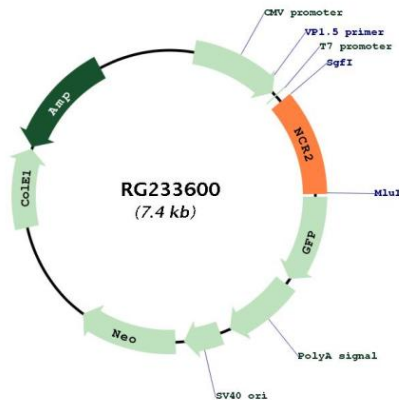
Cytogenetics: 6p21.1

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]

Product images:



Circular map for RG233600