

Product datasheet for **RC233600**

NCR2 (NM_001199509) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NCR2 (NM_001199509) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NCR2
Synonyms: CD336; dj149M18.1; LY95; NK-p44; NKP44
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233600 representing NM_001199509
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTGGCGAGCCCTACACCCACTGCTACTGCTGCTGCTGCTGTTCCAGGCTCTCAGGCACAATCCA
 AGGCTCAGGTACTCAAAGTGTGGCAGGGCAGACGCTAACCGTGAGATGCCAGTACCCGCCACGGGCAG
 TCTCTACGAGAAGAAAGGCTGGTGAAGGAGGCTTCAGCACTTGTGTGCATCAGGTTAGTACCAGCTCC
 AAGCCCAGGACGATGGCTTGGACCTCTCGATTACAATCTGGGACGACCCTGATGCTGGCTTCTTCACTG
 TCACCATGACTGATCTGAGAGAGGAAGACTCAGGACATTACTGGTGTAGAATCTACCGCCCTTCTGACAA
 CTCTGTCTCTAAGTCCGTCAGATTCTATCTGGTGGTATCTCCAGCCTCTGCCTCCACACAGACCTCCTGG
 ACTCCCCGCGACCTGGTCTCTTACAGACCCAGACCCAGAGCTGTGTGCCTCCCACTGCAGGAGCCAGAC
 AAGCCCCTGAGTCTCCATCTACCATCCCTGTCCCTTACACCCCGTCTCTCCCTTCTGTCCCTGTGCC
 TTCCAGGCCACAGAACTCCACGCTCCGCCCTGGCCCTGCAGCCCCATTGCCCTGGTGCCTGTGTTCTGT
 GGACTCCTCGTAGCCAAGAGCCTGGTGTGTGAGCCCTGCTGCTGGTGGGTTTTAAGGAATCGGCACA
 TGCAGCATCAAGGGAGGTCTCTGCTGCACCCAGCTCAGCCCAGGCCCCAGGCCCATAGACACTTCCCCT
 GAGCCACAGGGCACCAGGGGGACATATGGTGGAAAACCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233600 representing NM_001199509
Red=Cloning site Green=Tags(s)

MAWRALHPLLLLLLFPGSQAQSKAQVLQSVAGQTLTVRCQYPPTGSLYEKKGWCKEASALVCIRLVTSS
 KPRTMAWTSRFTIWDDPDAGFFVTMTDLREEDSGHYWCRIYRPSDNVSKSVRFYLVVSPASASTQTSW
 TPRDLVSSQTQTQSCVPPTAGARQAPESPSTIPVPSHPSSPLPVPLPSRPQNSTLRPGPAAPIALVPVFC
 GLLVAKSLVLSALLVWVLRNRHMQHQRSLHHPAQRPRQAHRHFPLSHRAPGGTYGGKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

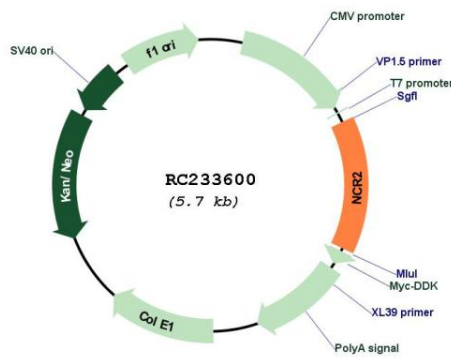
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Natural killer cell mediated cytotoxicity

MW: 30.1 kDa

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 RC233600