

## Product datasheet for **RG214084**

### NCR2 (NM\_004828) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NCR2 (NM_004828) 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:	>RG214084 representing NM_004828 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTGGCGAGCCCTACACCCACTGCTACTGCTGCTGCTGCTGTTCCAGGCTCTCAGGCACAATCCA  
AGGCTCAGGTACTCAAAGTGTGGCAGGGCAGACGCTAACCGTGAGATGCCAGTACCCGCCACGGGCAG  
TCTCTACGAGAAGAAAGGCTGGTGAAGGAGGCTTCAGCACTTGTGTGCATCAGGTTAGTACCAGCTCC  
AAGCCCAGGACGATGGCTTGGACCTCTCGATTACAATCTGGGACGACCCTGATGCTGGCTTCTTCACTG  
TCACCATGACTGATCTGAGAGAGGAAGACTCAGGACATTACTGGTGTAGAATCTACCGCCCTTCTGACAA  
CTCTGTCTCTAAGTCCGTCAGATTCTATCTGGTGGTATCTCCAGCCTCTGCCTCCACACAGACCCCTGG  
ACTCCCCGCGACCTGGTCTCTTACAGACCCAGACCCAGAGCTGTGTGCCTCCCACTGCAGGAGCCAGAC  
AAGCCCTGAGTCTCCATCTACCATCCCTGTCCCTTACAGCCACAGAACTCCACGCTCCGCCCTGGCCC  
TGCAGCCCCCAATTGCCCTGGTGCCTGTGTTCTGTGGACTCCTCGTAGCCAAGAGCCTGGTGTGTGACCC  
CTGCTCGTCTGGTGGGGGACATATGGTGGAAAACCGTGATGGAGCTCAGGAGCCTGGATACCAAAAAG  
CCACCTGCCACCTCAACAGGTCACGGACCTTCCCTGGACCTCAGTTTCTCACCTGTAGAGAGAGAAAT  
ATTATATCACACTGTTGCAAGGACTAAGATAAGCGATGATGATGATGAACACACTTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG214084 representing NM\_004828  
 Red=Cloning site Green=Tags(s)

MAWRALHPLLLLLLLFPGSQAQSKAQVLQSVAGQTLTVRCQYPPTGSLYEKKGWCKEASALVCIRLVTSS  
 KPRMTAWTSRFTIWDDPDAGFFVTMTDLREEDSGHYWCRIYRPSDNSVSKSVRFYLVVSPASASTQTPW  
 TPRDLVSSQTQTQSCVPPTAGARQAPESPSTIPVPSQPQNSTLRPGPAAPIALVPVFCGLLVAKSLVLSA  
 LLVWVGDIWWKTVMELRSLDTQKATCHLQQVTDLPWTSVSSPVEREILYHTVARTKISDDDDDEHTL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_004828

**ORF Size:** 828 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\\_004828.2](#), [NP\\_004819.1](#)

**RefSeq Size:** 932 bp

**RefSeq ORF:** 831 bp

**Locus ID:** 9436

**UniProt ID:** [O95944](#)

**Cytogenetics:** 6p21.1

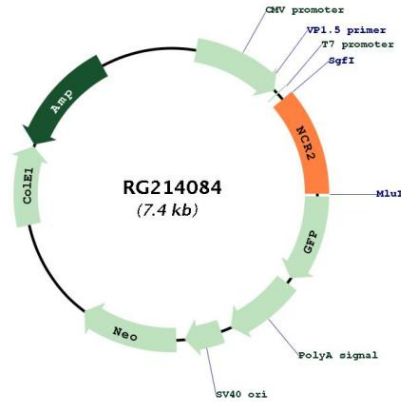
**Domains:** IG

**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 RG214084