

# **Product datasheet for RC227357**

### NCR3 (NM 001145466) Human Tagged ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** NCR3 (NM\_001145466) Human Tagged ORF Clone

Tag: Myc-DDK

Symbol: NCR3

**Synonyms:** 1C7; CD337; LY117; MALS; NKp30

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >RC227357 representing NM\_001145466
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

GCAAATATGCCAAATCTACTCTCTCCGGATTCCCCCAACTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227357 representing NM\_001145466

Red=Cloning site Green=Tags(s)

MAWMLLLILIMVHPGSCALWVSQPPEIRTLEGSSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGT PEFRGRLAPLASSRFLHDHQAELHIRDVRGHDASIYVCRVEVLGLGVGTGNGTRLVVEKEHPQLGAGTVL

LLRAGFYAVSFLSVAVGSTVYYQGKYAKSTLSGFPQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: <a href="https://cdn.origene.com/chromatograms/mg4354">https://cdn.origene.com/chromatograms/mg4354</a> d07.zip



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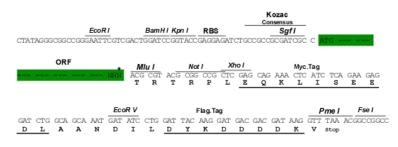


**Restriction Sites:** 

Sgfl-Mlul

**Cloning Scheme:** 

Cloning sites used for ORF Shuttling: ORF Sgfl Mlul SCGATOGO ACG CGT



<sup>\*</sup> The last codon before the Stop codon of the ORF

ACCN: NM 001145466

**ORF Size:** 531 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 001145466.2

RefSeq ORF: 534 bp Locus ID: 259197 **UniProt ID:** 014931 Cytogenetics: 6p21.33



#### NCR3 (NM\_001145466) Human Tagged ORF Clone - RC227357

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS

**Protein Pathways:** Natural killer cell mediated cytotoxicity

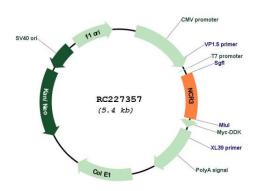
**MW:** 19.1 kDa

**Gene Summary:** The protein encoded by this gene is a natural cytotoxicity receptor (NCR) that may aid NK cells

in the lysis of tumor cells. The encoded protein interacts with CD3-zeta (CD247), a T-cell receptor. A single nucleotide polymorphism in the 5' untranslated region of this gene has been associated with mild malaria suceptibility. Three transcript variants encoding different

isoforms have been found for this gene.[provided by RefSeq, May 2010]

## **Product images:**



Circular map for RC227357