

Product datasheet for SC326537

NCR3 (NM_001145467) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCR3 (NM_001145467) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCR3
Synonyms:	1C7; CD337; LY117; MALS; NKp30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326537 representing NM_001145467. Blue=Insert sequence Red=Cloning site Green=Tag(s)

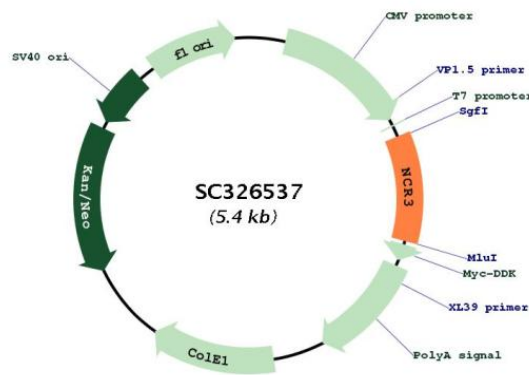
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCTGGATGCTGTTGCTCATCTTGATCATGGTCCATCCAGGATCCTGTGCTCTCTGGGTGTCCAG
CCCCCTGAGATTCGTACCCTGGAAGGATCCTCTGCCTTCTGCCCTGCTCCTTCAATGCCAGCCAAGGG
AGACTGGCATTGGCTCCGTACGTGGTCCGAGATGAGGTGGTCCAGGGAAGGAGGTGAGGAATGGA
ACCCAGAGTTCAGGGGCCGCTGGCCCCACTTGCTTCTCCCGTTTCTCCATGACCACAGGCTGAG
CTGCACATCCGGGACGTGCGAGGCCATGACGCCAGCATCTACGTGTGCAGAGTGGAGGTGCTGGCCTT
GGTGTCCGGACAGGGAATGGGACTCGGCTGGTGGTGGAGAAAGAACATCCTCAGCTAGGGGCTGGTACA
GTCTCTCCTTCCGGCTGGATTCTATGCTGTGACGCTTCTCTGTGGCCGTGGGCAGCACCGTCTAT
TACCAGGGCAAATGCCACTGTACATGGGAACACACTGCCACTCCTCAGATGGGCCCCGAGGAGTGATT
CCAGAGCCCAGATGTCCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM_001145467

Insert Size: 573 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001145467.1</u>
RefSeq Size:	875 bp
RefSeq ORF:	573 bp
Locus ID:	259197
UniProt ID:	<u>O14931</u>
Cytogenetics:	6p21.33
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS
Protein Pathways:	Natural killer cell mediated cytotoxicity
MW:	20.6 kDa
Gene Summary:	<p>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 susceptibility. Three transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the 3' coding region compared to variant 1, that results in a frameshift. It encodes isoform c, which has a shorter and distinct C-terminus compared to isoform a.</p>