

Product datasheet for **SC303159**

NKG2C (KLRC2) (NM_002260) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NKG2C (KLRC2) (NM_002260) Human Untagged Clone
Tag: Tag Free
Symbol: NKG2C
Synonyms: CD159c; NKG2-C; NKG2C
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_002260 edited
GAGATGAATAAACAAAGAGGAACCTTCTCAGAAGTGAGTCTGGCCAGGACCCAAAGCGG
CAGCAAAGGAAACCTAAAGGCAATAAAAGCTCCATTTTCAGGAACCGAACAGGAAATATTC
CAAGTAGAATTAATCTTCAAAATCCTTCCTGAATCATCAAGGGATTGATAAAATATAT
GACTGCCAAGGTTTACTGCCACCTCCAGAGAAGCTCACTGCCGAGGTCCTAGGAATCATT
TGCATTGTCTGATGGCCACTGTGTTAAAAACAATAGTTCCTTATTCCTTCTGGAGCAG
AACAAATCTTCCCGAATACAAGAACGCAGAAAGCACGTCATTGTGGCCATTGTCCTGAG
GAGTGGATTACATATTCCAACAGTTGTTATTACATTGGTAAGGAAAGAAGAACTGGGAA
GAGAGTTTGTGGCCTGTACTTCGAAGAAGTCCAGTCTGCTTTCTATAGATAATGAAGAA
GAAATGAAATTTCTGGCCAGCATTTTACCTTCCTCATGGATTGGTGTGTTTCGTAACAGC
AGTCATCATCCATGGGTGACAATAAATGGTTTGGCTTTCAAACATAAGATAAAAGACTCA
GATAATGCTGAACTTAAGTGTGCAAGTACAAGTAAATCGACTTAAATCAGCCCAGTGT
GGATCTTCAATGATATATCATTGTAAGCATAAGCTTTAG

Restriction Sites: Please inquire

ACCN: NM_002260

Insert Size: 700 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: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_002260.3.



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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:	<ol style="list-style-type: none">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_002260.3, NP_002251.2</u>
RefSeq Size:	1223 bp
RefSeq ORF:	696 bp
Locus ID:	3822
UniProt ID:	<u>P26717</u>
Cytogenetics:	12p13.2
Protein Families:	Transmembrane
Protein Pathways:	Antigen processing and presentation, Natural killer cell mediated cytotoxicity
Gene Summary:	Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. NK cells preferentially express several calcium-dependent (C-type) lectins, which have been implicated in the regulation of NK cell function. The group, designated KLRC (NKG2) are expressed primarily in natural killer (NK) cells and encodes a family of transmembrane proteins characterized by a type II membrane orientation (extracellular C terminus) and the presence of a C-type lectin domain. The KLRC (NKG2) gene family is located within the NK complex, a region that contains several C-type lectin genes preferentially expressed on NK cells. KLRC2 alternative splice variants have been described but their full-length nature has not been determined. [provided by RefSeq, Jul 2008]