

## Product datasheet for **SC209788**

### **NKG2D (KLRK1) (NM\_007360) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** NKG2D (KLRK1) (NM\_007360) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** KLRK1  
**Synonyms:** CD314; D12S2489E; KLR; NKG2-D; NKG2D  
**ACCN:** NM\_007360  
**Insert Size:** 791 bp  
**Insert Sequence:** >SC209788 3'UTR clone of NM\_007360  
The sequence shown below is from the reference sequence of NM\_007360. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACGTACATCTGCATGCAAAGGACTGTGTAAAGATGATCAACCATCTCAATAAAAGCCAGGAACAGAGAA
GAGATTACACCAGCGGTAACACTGCCAACTGAGACTAAAGGAAACAAACAAAAACAGGACAAAATGACC
AAAGACTGTCAGATTTCTTAGACTCCACAGGACCAAAACCATAGAACAATTTCACTGCAAACATGCATGA
TTCTCCAAGACAAAAGAAGAGAGATCCTAAAGGCAATTCAGATATCCCCAAGGCTGCCTCTCCCACCAC
AAGCCCAGAGTGGATGGGCTGGGGGAGGGGTGCTGTTTTAATTTCTAAAGGTAGGACCAACACCCAGGG
GATCAGTGAAGGAAGAGAAGGCCAGCAGATCACTGAGAGTGCAACCCACCCTCCACAGGAAATTGCCT
CATGGGCAGGGCCACAGCAGAGACACAGCATGGGCAGTGCCTTCCCTGCCTGTGGGGTCATGCTGC
CACTTTTAAATGGGTCTCCACCCAACGGGGTCAGGGAGGTGGTGTGCCCCAGTGGGCCATGATTATCT
TAAAGGCATTATTCTCCAGCCTTAAGTAAGATCTTAGGACGTTTCTTTGCTATGATTTGTACTIONGCTT
GAGTCCCATGACTGTTTCTTCTCTCTTTCTTCTTTTGGAAATAGTAATATCCATCCTATGTTTGTGTC
CCACTATTGTATTTGGAAGCACATAACTGTTTGGTTTTCACAGTTTACAGTTAAGAAGGAATTTGTC
CTCTGAATAAATAGAATCTTGAGTCTCATGCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:**

Sgfl-Mlul

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_007360.4</a>
<b>Summary:</b>	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 NKG2 gene family is located within the NK complex, a region that contains several C-type lectin genes preferentially expressed in NK cells. This gene encodes a member of the NKG2 family. The encoded transmembrane protein is characterized by a type II membrane orientation (has an extracellular C terminus) and the presence of a C-type lectin domain. It binds to a diverse family of ligands that include MHC class I chain-related A and B proteins and UL-16 binding proteins, where ligand-receptor interactions can result in the activation of NK and T cells. The surface expression of these ligands is important for the recognition of stressed cells by the immune system, and thus this protein and its ligands are therapeutic targets for the treatment of immune diseases and cancers. Read-through transcription exists between this gene and the upstream KLRC4 (killer cell lectin-like receptor subfamily C, member 4) family member in the same cluster. [provided by RefSeq, Dec 2010]
<b>Locus ID:</b>	22914
<b>MW:</b>	30.6