

Product datasheet for **SC303912**

CD94 (KLRD1) (NM_007334) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD94 (KLRD1) (NM_007334) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLRD1
Synonyms:	CD94
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303912 representing NM_007334. Blue=Insert sequence Red=Cloning site Green=Tag(s)

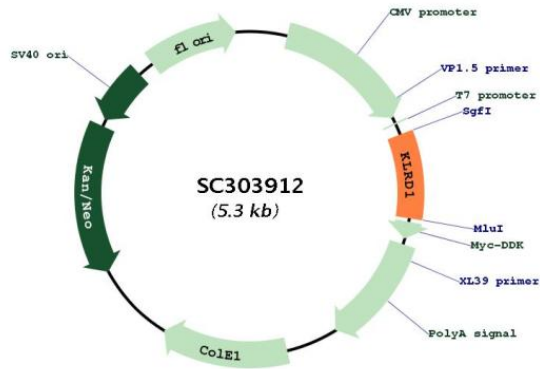
```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCAGCTTTTACTAACTGAGTATTGAGCCAGCATTACTCCAGGACCAACATAGAACTCCAGAAA
GACTCTGACTGCTGTTCTTGCCAAGAAAATGGGTTGGGTACCGGTGCAACTGTTACTTCATTTCCAGT
GAACAGAAAACTTGAACGAAAGTCGGCATCTCTGTGCTTCTCAGAAATCCAGCCTGCTTCAGCTTCAA
AACACAGATGAACTGGATTTTATGAGCTCCAGTCAACAATTTACTGGATTGGACTCTCTTACAGTGAG
GAGCACACCGCCTGGTTGTGGGAGAATGGCTCTGCACTCTCCAGTATCTATTTCCATCATTGAAACT
TTAATACAAAGAACTGCATAGCGTATAATCAAATGAAATGCTTTAGATGAATCCTGTGAAGATAAA
AATCGTTATATCTGTAAGCAACAGCTCATTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:



ACCN:	NM_007334
Insert Size:	447 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:	<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:	NM_007334.2
RefSeq Size:	3165 bp
RefSeq ORF:	447 bp
Locus ID:	3824
UniProt ID:	Q13241
Cytogenetics:	12p13.2
Protein Families:	Transmembrane
Protein Pathways:	Antigen processing and presentation, Graft-versus-host disease, Natural killer cell mediated cytotoxicity
MW:	17.1 kDa
Gene Summary:	<p>Natural killer (NK) cells are a distinct lineage of lymphocytes that mediate cytotoxic activity and secrete cytokines upon immune stimulation. Several genes of the C-type lectin superfamily, including members of the NKG2 family, are expressed by NK cells and may be involved in the regulation of NK cell function. KLRD1 (CD94) is an antigen preferentially expressed on NK cells and is classified as a type II membrane protein because it has an external C terminus. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2017]</p> <p>Transcript Variant: This variant (2) encodes isoform 2. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>