

Product datasheet for **SC323944**

CD94 (KLRD1) (NM_002262) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD94 (KLRD1) (NM_002262) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD94
Synonyms:	CD94
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002262.2
 CAATTCACGCTGTTCTTTCTGAAAAAGTACACATCGTGCCTTCTACTTCGCTCTTGG
 AACATAATTTTTCATGGCAGTGTTTAAGACCACTCTGTGGAGGTTAATTTCTGGGACCTT
 AGGGATAATATGCCTTTCGTTGATGGCTACGTTGGGAATTTTGTGAAAAATCTTTTAC
 TAAACTGAGTATTGAGCCAGCATTACTCCAGGACCCAACATAGAAGTCCAGAAAGACTC
 TGACTGCTGTTCTTGCCAAGAAAAATGGGTTGGGTACCGGTGCAACTGTTACTTCATTTT
 CAGTGAACAGAAAACTTGAACGAAAGTCGGCATCTCTGTGCTTCTCAGAAATCCAGCCT
 GCTTCAGCTTCAAACACAGATGAACTGGATTTTATGAGCTCCAGTCAACAATTTTACTG
 GATTGGACTCTTACAGTGAGGAGCACACCGCCTGGTTGTGGGAGAATGGCTCTGCACT
 CTCCCAGTATCTATTTCCATCATTTGAACTTTTAAATACAAAGAAGTGCATAGCGTATAA
 TCCAAATGGAAATGCTTTAGATGAATCCTGTGAAGATAAAAAATCGTTATATCTGTAAAGCA
 ACAGCTCATTTAAATGTTTCTTGGGGCAGAGAAGGTGGAGAGTAAAGACCCAACATTACT
 AACATGATACAGTTGCATGTTATATTACTAATTGTCTACTTCTGGAGTCTATAAAA
 TGTTTTTAAACAGTGTATATACAATTGCATGTATGTGAAACAATGTGTTTTAAATTTG
 ATGAAATTCGTTACCTACATTTGAGAATTATAAAATTAACATAAAGAATTTTGTATTTT
 CATTTAATGTATATAATGTTAAATTCATGTAGTTTTATTACACATTTATGTAATTTTAT
 TTACATTTCTGCTAATTCTCAGCAGAAATTTAAATAAGATTTAATTCACATCAAATAAAA
 TTTAGAAAATAAAATTTAACTCACACTGCCAGGCTGGAGCGTAGTGGCAAGATCATAGC
 TCATTGCAAGCTCAAGTGATCCTCCTGACTCAGCCTCCCAAGTAGCTGGGACTGCAGGCA
 CCATGTCACTATGCCCGACTAATTTTTAATTTTTAATTTTTTGTCAAGACAAGGTCTTGC
 TATGTTGCCAGGCTGGTCTTGAACCTGGCCTCAAGGGATTCTCCACCTTGGATTCC
 CAAAGTGTGGGATTATAGGTGTGAACCAACATCCCTGGCCCTTTCACATTCTGTATG
 AAGATTGATTTGGGAAAAATGCATTTTCAGGTAAGTACAAAAGATATAGGATGAAAAATA
 ATATCTTTCAAATGTTTAAATTTGAACTAAGAGAGCTTATGCATTGCACTTCTGGAGATT
 TGTAATGTTTTGGTTTTGTGTCCATGTGACTACAAAATAATATATTTTTTAAATAAAAA
 ATTTAAAATAATACAGGCAAGCATGTAATGATTATCAATATTTTTTTCCACCAACTATCC
 TATACCCCTGACCTCCTTTCATTAGGCATTATCTTCTGTTTTGATTTTAACTTAGAGT
 GGTCTTCTGTTATGAATCAAAGCTGATCTATTTTCATCATTTTTGTGATGAAAAAAT
 AATTTTGATTGACTTAGGATGGAAGGATTTGGACTGGGTGTGGTGGTTTATGCCTGTGAT
 CGCAGCACTTTGGGAGGCCAAGGCGGTGGATCACTTGAGGTGAGGATTTGAGACCAGC
 CTGGCCAACATGGTGAACCCCTGTCTCTACTAAAATACAAAAATGGCTGGGTGTGGTA
 GTGCACACCTGTAGTCCCAGCTATTTGGGAGGCTGAGTCGAGAGGATCGCTTGAACCTGG
 GAGGCGGAGGTTGCAGTGAGTCGAGATTGCACCACTGCACTCCAGCCTGGGTGACAGAGC
 CAGACTCTCTCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_002262

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_002262.2 , NP_002253.1
RefSeq Size:	1364 bp
RefSeq ORF:	540 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
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 (1) , as well as variants 3 and 5, encodes isoform 1. Sequence Note: This record represents a predicted microRNA stem-loop as defined by miRBase. Some sequence at the 5' and 3' ends may not be included in the intermediate precursor miRNA produced by Drosha cleavage.</p>