

Product datasheet for **SC318790**

CD94 (KLRD1) (NM_001114396) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD94 (KLRD1) (NM_001114396) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD94
Synonyms:	CD94
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001114396 edited
 CAATTCACGCTGTTCTTTCTGAAAAAGTACACATCGTGCCTTCTACTTTCGCTCTTGG
 AACATAATTTCTCATGGCAGTGTTTAAGACCACTCTGTGGAGGTTAATTTCTGGGACCTT
 AGGGATAATATGCCTTTCGTTGATGGCTACGTTGGGAATTTTGTGAAAAATCTTTTAC
 TAAACTGAGTATTGAGCCAGCATTACTCCAGGACCAACATAGAACTCCAGAAAGACTC
 TGACTGCTGTTCTTGCCAAGAAAAATGGGTTGGGTACCGGTGCACTGTTACTTCATTTT
 CAGTGAACAGAAAACTTGAACGAAAGTCGGCATCTCTGTGCTTCTCAGAAATCCAGCCT
 GCTTCAGCTTCAAACACAGATGAACTGGATTTTATGAGCTCCAGTCAACAATTTTACTG
 GATTGGACTCTCTTACAGTGAGGAGCACACCGCCTGGTTGTGGGAGAATGGCTCTGCACT
 CTCCCAGTATCTATTTCCATCATTTGAACTTTTAAATACAAAGAAGTGCATAGCGTATAA
 TCCAAATGGAAATGCTTTAGATGAATCCTGTGAAGATAAAAAATCGTTATATCTGTAAAGCA
 ACAGCTCATTTAAATGTTTCTTGGGGCAGAGAAGGTGGAGAGTAAAGACCAACATTACT
 AACATGATACAGTTGCATGTTATATTACTAATTGTCTACTTCTGGAGTCTATAAAA
 TGTTTTTAAACAGTGTATATACAATTGCATGTATGTGAAACAATGTGTTTTAAATTTG
 ATGAAATTCGTTACCTACATTTGAGAATTATAAAATTAACATAAAGAATTTTGTATTTT
 CATTTAATGTATATAATGTTAAATTCATGTAGTTTTATTACACATTTATGTAATTTTAT
 TTACATTTCTGCTAATTCTCAGCAGAAATTTAAATAAGATTTAATTCACATCAAAATAAA
 TTTAGAAAATAAAATTTAACTCACACTGCCAGGCTGGAGCGTAGTGGCAAGATCATAGC
 TCATTGCAAGCTCAAGTGATCCTCCTGACTCAGCCTCCCAAGTAGCTGGGACTGCAGGCA
 CCATGTCACTATGCCCGACTAATTTTTAATTTTTAATTTTTTGTCAAGACAAGGTCTTGC
 TATGTTGCCAGGCTGGTCTTGAACCTGGCCTCAAGGGATTCTCCACCTTGGATTCC
 CAAAGTCTGGGATTATAGTGTGAACCAACCCATCCCTGGCCCTTTCACATTCTGTATG
 AAGATTGATTTGGGAAAAATGCATTTTCAAGTAAGTACAAAAGATATAGGATGAAAAATA
 ATATCTTTCAAATGTTTAAATTTGAACTAAGAGAGCTTATGCATTGCACTTCTGGAGATT
 TGTAATGTTTTGGTTTTGTGTCCATGTGACTACAAAATAATATATTTTTTAAATAAAAA
 ATTTAAAATAATACAGGCAAGCATGTAATGATTATCAATATTTTTTTCCACCAACTATCC
 TATACCCCTGACCTCCTTTCATTAGGCATTATCTTCTGTTTTGATTTTAACTTAGAGT
 GGTCTTCTGTTATGAATCAAAGCTGATCTATTTTCATCATTTTTGTGATGAAAAAAT
 AATTTTGATTGACTTAGGATGGAAGGATTTGGACTGGGTGTGGTGGTTATGCCTGTGAT
 CGCAGCACTTTGGGAGGCCAAGGCGGTGGATCACTTGAGGTGAGGATTTGAGACCAGC
 CTGGCCAACATGGTGAACCCCTGTCTCTACTAAAATACAAAAATGGCTGGGTGTGGTA
 GTGCACACCTGTAGTCCCAGCTATTTGGGAGGCTGAGTCGAGAGGATCGCTTGAACCTGG
 GAGCGGAGGTTGCAGTGAGTCGAGATTGCACCACTGCACTCCAGCCTGGGTGACAGAGC
 CAGACTCTCTCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001114396
- Insert Size:** 2000 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_001114396.1.
- 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_001114396.1</u> , <u>NP_001107868.1</u>
RefSeq Size:	3195 bp
RefSeq ORF:	540 bp
Locus ID:	3824
UniProt ID:	<u>Q13241</u>
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 (3), as well as variants 1 and 5, encodes isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>