

## Product datasheet for **SC122242**

### CD94 (KLRD1) (BC028009) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD94 (KLRD1) (BC028009) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD94
Synonyms:	CD94
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

>OriGene sequence for BC028009 edited  
 CAATTCACGCTGTTCTTTCTGAAAAAGTACACATCGTGCCTTCTACTTCGCTCTTGG  
 AACATAATTTCTCATGGCAGTGTTTAAGACCACTCTGTGGAGGTTAATTTCTGGGACCTT  
 AGGGATAATATGCCTTTCGTTGATGGCTACGTTGGGAATTTTGTGAAAAATCTTTTAC  
 TAAACTGAGTATTGAGCCAGCATTACTCCAGGACCCAACATAGAAGTCCAGAAAGACTC  
 TGACTGCTGTTCTGCCAAGAAAAATGGGTTGGGTACCGGTGCAACTGTTACTTCATTTCC  
 CAGTGAACAGAAAACTTGAACGAAAGTCGGCATCTCTGTGCTTCTCAGAAATCCAGCCT  
 GCTTCAGCTTCAAAACACAGATGAACTGGATTTTATGAGCTCCAGTCAACAATTTTACTG  
 GATTGGACTCTCTTACAGTGAGGAGCACACCGCCTGGTTGTGGGAGAATGGCTCTGCACT  
 CTCCCAGTATCTATTTCCATCATTTGAACTTTTAAATACAAAGAAGTGCATAGCGTATAA  
 TCCAAATGGAAATGCTTTAGATGAATCCTGTGAAGATAAAAAATCGTTATATCTGTAAAGCA  
 ACAGCTCATTTAAATGTTTCTTGGGGCAGAGAAGGTGGAGAGTAAAGACCCAACATTACT  
 AACAAATGATACAGTTGCATGTTATATTACTAATTGTCTACTTCTGGAGTCTATAAAA  
 TGTTTTTAAACAGTGTATATACAATTGTCATGTATGTGAAACAATGTGTTTTAAATTTG  
 ATGAAATTCGTTACCTACATTTGAGAATTATAAAATTAACATAAAGAATTTTGTATTTT  
 CATTTAATGTATATAATGTTAAATTCATGTAGTTTTATTACACATTTATGTAATTTTAT  
 TTACATTTCTGCTAATTCTCAGCAGAAATTTAAATAAGATTTAATTCACATCAAAATAAAA  
 TTTAGAAAATAAAATTTAACTCACACTGCCAGGCTGGAGCGTAGTGGCAAGATCATAGC  
 TCATTGCAAGCTCAAGTGATCCTCCTGACTCAGCCTCCCAAGTAGCTGGGACTGCAGGCA  
 CCATGTCACTATGCCCGACTAATTTTTAATTTTTAATTTTTTGTCAAGACAAGGTCTTGC  
 TATGTTGCCAGGCTGGTCTTGAACCTCGCCTCAAGGATTCTCCACCTTGGATTCC  
 CAAAGTCTGGGATTATAGGTGTGAACCAACATCCCTGGCCCTTTCACATTTCTGTATG  
 AAGATTGATTTGGGAAAAATGCATTTTCAGGTAAGTACAAAAGATATAGGATGAAAAATA  
 ATATCTTTCAAAATGTTTAAATTTGAACTAAGAGAGCTTATGCATTGCATTTCTGGAGATT  
 TGTAATGTTTTGGTTTTGTGTCCATGTGACTACAAAATAATATATTTTTTTAATTAATAA  
 ATTTAAATAATACAGGCAAGCATGTAATGATTATCAATATTTTTTTCCACCAACTATCC  
 TATACCCCTGACCTCCTTTCATTAGGCATTATCTTCTGTTTTGATTTAACACTTAGAGT  
 GGTCTTCTGTTATGAATCAAAGCTGATCTATTTTCATCATTTTTGTGATGAAAAAAT  
 AATTTTGATTGACTTAGGATGGAAGGATTTGGACTGGGTGTGGTGGTTTATGCCTGTGAT  
 CGCAGCACTTTGGGAGGCCAAGGCGGTGGATCACTTGAGGTGAGGATTTGAGACCAGC  
 CTGGCCAACATGGTGAACCCCTGTCTCTACTAAAATACAAAAATGGCTGGGTGTGGTA  
 GTGCACACCTGTAGTCCCAGCTATTTGGGAGGCTGAGTCGAGAGGATCGCTTGAACCTGG  
 GAGGCGGAGGTTGCAGTGAGTCGAGATTGCACCACTGCCTCCAGCCTGGGTGACAGAGC  
 CAGACTCTCTCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for BC028009 unedited  
 GGTTTTGATTTGTATACGACTCATTATAGGCGGCCGCGATTCCCAGGNTACAATTCACCG  
 CTGTTCTTTCTGAAAAATACACATCGTGCCTTCTACTTCGCTCTTGGAACATAATTTTC  
 TCATGGCAGTGTTTAAGACCACTCTGTGGAGGTTAATTTCTGGGACCTTAGGGATAATAT  
 GCCTTTCGTTGATGGCTACGTTGGGAATTTTGTGAAAAATCTTTTACTAAACTGAGTA  
 TTGAGCCAGCATTACTCCAGGACCCAACATAGAAGTCCAGAAAGACTCTGACTGCTGTT  
 CTTGCCAAGAAAAATGGGTTGGGTACCGGTGCAACTGTTACTTCATTTCCAGTGAACAGA  
 AAACCTGGAACGAAAGTCGGCATCTCTGTGCTTCTCAGAAATCCAGCCTGCTTCAGCTTC  
 AAAACACAGATGAACTGGATTTTATGAGCTCCAGTCAACAATTTTACTGGATTGGACTCT  
 CTTACAGTGAGGAGCACACCGCCTGGTTGTGGGAGAATGGCTCTGCACTCTCCAGTATC  
 TATTTCCATCATTTGAACTTTTAAATACAAAGAAGTGCATAGCGTATAATCCAAATGGAA  
 ATGCTTTAGATGAATCCTGTGAAGATAAAAAATCGTTATATCTGTAAAGCAACAGCTCATT  
 AAATGTTTCTTNGGCAGAGAAGGTGGAGAGTAAAGACCCAACATTACTAACAAATGATAC  
 AGTTGCATGTTATATTACTAATTGTCTACTTCTGGAGTCTATANAATGTTTTTAAAC  
 AGTGTCATATACAATTGTCATGTATGTGAAACAATGTGTTTTAAATTTGATGAAATTCGT  
 TCACCTACATTTGAGAATTATNAAATTAACATANAGAAATTTTGTATTTTCAATTAATGTA  
 TATAATGTTAAATTCATGTAGTTTTATAC

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC028009
<b>Insert Size:</b>	1960 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC028009.1</a> , <a href="#">AAH28009.1</a>
<b>RefSeq Size:</b>	1960 bp
<b>RefSeq ORF:</b>	537 bp
<b>Locus ID:</b>	3824
<b>Cytogenetics:</b>	12p13.2
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Antigen processing and presentation, Graft-versus-host disease, Natural killer cell mediated cytotoxicity
<b>Gene Summary:</b>	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]