

## Product datasheet for **SC214820**

### CD4 (NM\_000616) Human 3' UTR Clone

#### Product data:

|                           |                                    |
|---------------------------|------------------------------------|
| Product Type:             | 3' UTR Clones                      |
| Product Name:             | CD4 (NM_000616) Human 3' UTR Clone |
| Symbol:                   | CD4                                |
| Synonyms:                 | CD4mut; IMD79; OKT4D               |
| Mammalian Cell Selection: | Neomycin                           |
| Vector:                   | pMirTarget (PS100062)              |
| ACCN:                     | NM_000616                          |
| Insert Size:              | 1500 bp                            |



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**Insert Sequence:** >SC214820 3'UTR clone of NM\_000616  
 The sequence shown below is from the reference sequence of NM\_000616. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGGTTTCAGAAGACATGTAGCCCCATTGAGGCACGAGGCCAGGCAGATCCCAGCTTGCAGCCTCCCCAG
GTGCTGCCCGCGTTTTCTGCCTGCGGACCAGATGAATGTAGCAGATCCCAGCCTCTGGCCTCTGT
TCGCCTCTCTACAATTTGCCATTGTTTCTCTGGGTTAGGCCCGGCTTCACTGGTTGAGTGTGCTC
TCTAGTTTCCAGAGGCTTAATCACACCGTCTCCACGCCATTTCTTTTCTTCAAGCCTAGCCCTTCT
CTCATTATTTCTCTGACCCTCTCCCACTGCTCATTGGATCCCAGGGGAGTGTTCAGGGCCAGCCC
TGGCTGGCATGGAGGGTGAAGGCTGGGTGTCTGGAAGCATGGAGCATGGGACTGTTCTTTTACAAGACAG
GACCCTGGGACCACAGAGGGCAGGAATTGCACAAAATCACACAGCCAAGCCAGTCAAGGATGGATGCA
GATCCAGAGGTTTCTGGCAGCCAGTACCTCTGCCCATGCTGCCCGCTTCTCACCTATGTGGGTGGG
ACCACAGACTCACATCCTGACCTTGACAAACAGCCCCTCTGGACACAGCCCATGTACACGGCCTCAA
GGGATGTCTCACATCCTCTGTCTATTTGAGACTTAGAAAAATCCTACAAGGCTGGCAGTGACAGAATA
AGATGATCATCTCCAGTTTATAGACCAGAACAGAGCTCAGAGAGGCTAGATGATTGATTACCAAGTGC
CGGACTAGCAAGTGTGGAGTGGGACTAACCCAGGTCCCTTGTCCCAAGTTCCACTGCTGCCTCTTGA
ATGCAGGGACAAATGCCACACGGCTCTCACCAGTGGCTAGTGGTGGGACTCAATGTGTACTTTTGGGT
TCACAGAAGCACAGCACCATGGGAAGGGTCCATCTCAGAGAATTTACGAGCAGGGATGAAGGCCTCCC
TGTCTAAAATCCCTCCTCATCCCCGCTGGTGGCAGAATCTGTTACCAGAGGACAAAGCCTTTGGCTC
TTCTAATCAGAGCGCAAGCTGGGAGCACAGGCACTGCAGGAGAGAATGCCAGTGACCAGTCACTGACC
CTGTGCAGAACCCTCTGGAAGCGAGCTTTGCTGGGAGAGGGGTAGCTAGCCTGAGAGGGAACCCCTTA
AGGGACCTCAAAGGTGATTGTGCCAGGCTCTGCGCCTGCCCCACACCCTCCCTTACCCTCTCCAGACC
ATTCAGGACACAGGGAAATCAGGGTTACAAATCTTCTTGTATCCACTTCTCTCAGGATCCCCTCTCTCC
TACCCTTCTCACCCTTCCCTCAGTCCCAACTCCTTTTCCCTATTTCTTCTCCTGTCTTTAAAG
CCTGCCTCTTCCAGGAAGACCCCTATTGCTGCTGGGGCTCCCCATTTGCTTACTTTGCATTTGTGCC
CACTCTCCACCCTGCTCCCCTGAGCTGAAATAAAAATAACAATAAACTTAC
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**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).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_000616.5](#)

**Summary:**

This gene encodes the CD4 membrane glycoprotein of T lymphocytes. The CD4 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class II MHC molecules. The CD4 antigen is also a primary receptor for entry of the human immunodeficiency virus through interactions with the HIV Env gp120 subunit. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, granulocytes, as well as in various regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, May 2020]

**Locus ID:**

920

**MW:**

54.7