

Product datasheet for **RN210599**

Cd4 (NM_012705) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd4 (NM_012705) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cd4
Synonyms:	p55; W3/25
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210599 representing NM_012705
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGCCGAGGCTTCTTTTCAGGCACTTGCTGCCGCTGCTGCTCCTGCAGCTGTCAAACCTCTAGTTG
 TCACCCAAGGAAAGACCGTGGTCTGGGAAGGAAGGGGTTTCAGCAGAAGTCCCTGTGAAAGTACCTC
 GAGGAGGAGTGCATCCTTCGCGTGGAAATCCTCTGACCAAAAGACAATTCTGGGATATAAGAACAAGTTA
 TTGATTAAGGTTCACTTGAGCTGTATAGTCGTTTTGATTCCAGAAAAATGCATGGGAGAGAGGATCAT
 TTCCCCTCATCATCAATAAACTTAGGATGGAGGACTCTCAGACTTATGTCTGCGAGCTGGAGAACAAGAA
 AGAGGAGTGGAGTTGTGGTCTTCAGAGTGACCTTCAATCCGGTACCAGACTGTTGCAGGGGCAGAGC
 CTGACCCTGATCTGGATAGCAACCCTAAGGTCTCTGACCCCGATAGAGTGCAACACAAAAGCAGTA
 ACATTGTCAAGGACTCCAAGCTTCTCCACGCACAGCCTAAGGATTCAGGACAGTGGCATCTGAACTG
 CACCGTGACCCTGAACCAGAAGAAGCACTCATTGACATGAAACTCTCAGTGTGGCTTTGCGAGCACA
 TCCATCACGGCCTATAAGAGTGAGGGGAGTCAGCGGAGTTCTCCTTCCCACTCAACCTTGAGAGGAAA
 GCCTGCAGGGAGAGTTGAGATGGAAGGCAGAGAAGGCTCCTTCTCCAGTCTGGATCACCTTCTCCCT
 AAAGAACCAAAAGGTGTCTGTGCAGAAGTCTACTAGCAACCCCAAGTTCCAGCTGTCCGAAACGCTCCCA
 CTCACCTTCAGATACCCAGGTCTCCCTTCAGTTTGTGGTTCTGGCAACCTGACCCTGACTCTGGACA
 GAGGGATACTGTATCAGGAAGTGAACCTGGTGGTGTGAAAGTGACTCAGCCGACAGCAACACTTTGAC
 CTGTGAGGTGATGGGACCCACCTCACCAAGATGAGACTGATCTGAAGCAGGAGAATCAGGAGGCCAGG
 GTCTCCAGGCAGGAGAAAGTGAATCAAGTGCAGGCCCTGAAGCAGGGGTGTGGCAATGTCTACTGAGTG
 AAGGTGAAGAGGTCAAGATGGACTCCAAGATCCAGGTTTTATCCAAAGGGTTGAACCAGACAATGTTCT
 GGCTGTCTGTGGGAGCGCCTTCAGCTTTCTGGTTTTACAGGGGCTCTGCATCCTATTCTGTGTCAGG
 TGCCGGCACCAACAGCGCCAGGCAGCACGGATGTCTCAGATCAAGAGGCTTCTCAGTGAGAGAAGACTT
 GCCAGTGTCTCCACCGGATGCAGAAAAGCCACAATCTCATATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012705
- Insert Size:** 1374 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).
- 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:**
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_012705.1](#), [NP_036837.1](#)

RefSeq Size: 1749 bp

RefSeq ORF: 1374 bp

Locus ID: 24932

UniProt ID: [P05540](#)

Cytogenetics: 4q42

Gene Summary: MHC class II binding protein that may be a candidate gene for collagen-induced arthritis; human CD4 is a receptor required for HIV infection [RGD, Feb 2006]