

Product datasheet for **RN210425**

Cd5 (NM_019295) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd5 (NM_019295) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cd5
Synonyms:	MGC114334
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210425 representing NM_019295
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACTCTCACGAAGTCTGCTGGCTGCCACATACCTGTGGGAACACTGGCTGCTTTCTGCCTTGGAC
 AGTCTGGAAGGGCTTCGTAGGTGCCAGGTGATGCTAAGTGGCTCCAACCTCAAGTGTCAGGGTCTAGT
 GGAGTCCAGATGAATGGAATGAAAACGGTGTGCAGTTCAGTTGGAGGCTGAGCCAGGATCTCTGGAAA
 AACGCCAATGAGGCCTCTACAGTGTGCCAGCAGCTGGGATGTGGTAACCCCTCTGGCCCTTGGCCATTGGA
 CCTTATGGAACAGACCCAAGAACCAGATCCTCTGCCAAGGACCCCGTGGTCTTTCTCCAACCTGCAGCAC
 AAGTTCGCTGGGCCAGTGCCTTCCGCTGAGCCTGGTCTGCCTAGAGCCCCAGAAGACGACACCTCTACCC
 ACAACCACCTACCCACCACCATGCCGGAGCCACAGCCCTCCAGATTGCAGCTGGTCCAGGACACG
 AGGGCCTGAGGTGCACAGGTGTGGTGAATTCTACAATGCCAGCCGGGGTGGCACCATCTCTATAAGGC
 CAAGGCCAGGCCGTGGACCTGGGAACCTCATCTGTAAGTCTCTGCAGTGTGGCTCTTTCTGACACAT
 CTGTCCCGGATAGAGACAGCAGGAACTCCAGCTCCTGCAGAGCTGAGGGACCCAGGCCCTTGCCAATTC
 GATGGGAGGCCAGAACGGGAGCTGCACCTCACTACAGCAATGCTTCCAGAAAACAACGGTCCAGGAGGG
 CAGCCAGGCACTCGCAGTCGTCTGCTCTGATTTCCAGCCAAAGTTTCCAGAGCCGCTGGTGGGGGCGAGC
 AGCGTGTGTGAGGGCATCGTGAAGTTCGCCAGAGGTCACAGTGGGCTGCCCTGTGTGACAGTTCTGCAG
 CCAGGGGTCCAGGACGGTGGGAGGAGCTATGCCAAGAGCAGCAGTGTGGCAACCTCATCTCCTTCCATGT
 GATGGA TGCTGACAGGACCTCCCGGGGTCCTCTGTACCCAGGAGAAGCTGTCTCAGTGTACCAGCTT
 CAGAAAAAACCCACTGCAAGAGGGTATTCATCACATGCAAAGACCCAAACCCAGTGGGCCTGGCCCCAG
 GCACTGTGGCAAGCATCATCTGACCCTGGTACTCCTGGTGGTGTGATGGTTCATGTGCGGTCTCTGTGAT
 CTACAAGAAGCTGGTGAAGAAATTCGTCAGAAGAAGCAGCGTCAAGTGGATTGGTCCCACAGGAGTGAAC
 CAGAGCATGTCTTCCATCGAAGCCACACGGCAACTGTGCGGTCCAGGTTGAGAACCCGGCAGCCTCTC
 ACGTGGACAATGAGTACAGCCAGCCTCCAGGAACTCTCGCCTGTGCGCTTATCCAGCTCTGGAAGGGGC
 CCTACACCGCTCTCCACACAACCTGACAATTCCTCTGACAGTACTATGACCTGCAAGTGGCTCAGAGA
 CTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_019295
- Insert Size:** 1476 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_019295.1](#), [NP_062168.1](#)

RefSeq Size: 2059 bp

RefSeq ORF: 1476 bp

Locus ID: 54236

UniProt ID: [P51882](#)

Cytogenetics: 1q43

Gene Summary: binds CD2 glycoprotein on thymocytes; may play a role in T lymphocyte signal transduction [RGD, Feb 2006]