

Product datasheet for **RR210425**

Cd5 (NM_019295) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR210425 representing NM_019295
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACTCTCACGAAGTCTGCTGGCTGCCACATACCTGTGGGAACACTGGCTGCTTTCTGCCTTGGAC
 AGTCTGGAAGGGCTTCGTAGGTGCCAGGTGATGCTAAGTGGCTCCAACCCAAGTGTCAGGGTCTAGT
 GGAGTCCAGATGAATGGAATGAAAACGGTGTGCAGTTCAGTTGGAGGCTGAGCCAGGATCTCTGAAA
 AACGCCAATGAGGCCTCTACAGTGTGCCAGCAGCTGGGATGTGGTAACCCCTCTGGCCCTTGGCCATTGA
 CCTTATGGAACAGACCCAAGAACCAGATCCTCTGCCAAGGACCCCGTGGTCTTTCTCCAACCTGCAGCAC
 AAGTTCGCTGGGCCAGTGCCTCCGCTGAGCCTGGTCTGCCTAGAGCCCCAGAAGACGACACCTCTACCC
 ACAACCACCTACCCACCACCATGCCGGAGCCACAGCCCTCCAGATTGCAGCTGGTCCAGGACACG
 AGGGCCTGAGGTGCACAGGTGTGGTGAATTCTACAATGCCAGCCGGGTGGCACCATCCTCTATAAGGC
 CAAGGCCAGGCCGTGGACCTGGGAACCTCATCTGTAAGTCTCTGCAGTGTGGCTTTTCTGACACAT
 CTGTCCCGGATAGAGACAGCAGGAACCTCAGCTCCTGCAGAGCTGAGGGACCCAGGCCCTTGCCAAATC
 GATGGGAGGCCAGAACGGGAGCTGCACCTCACTACAGCAATGCTTCCAGAAAACACCGTCCAGGAGGG
 CAGCCAGGCACTCGCAGTCGTCTGCTCTGATTTCCAGCCAAGTTTCCAGCCGCTGGTGGGGGCGAGC
 AGCGTGTGTGAGGGCATCGTGAAGTTCGCCAGAGGTACAGTGGGCTGCCCTGTGTGACAGTTCTGCAG
 CCAGGGGTCCAGGACGGTGGGAGGAGCTATGCCAAGAGCAGCAGTGTGGCAACCTCATCTCCTCCATGT
 GATGATGCTGACAGGACCTCCCGGGGTCCTCTGTACCCAGGAGAAGCTGTCTCAGTGTACCAGCTT
 CAGAAAAAACCCTGCAAGAGGGTATTCATCACATGCAAAGACCCAAACCCAGTGGCCCTGGCCCCAG
 GCACCTGTGGCAAGCATCATCTGACCCTGGTACTCCTGGTGGTGTGATGGTGTGTCGCGTCTCTGAT
 CTACAAGAAGCTGGTGAAGAAATTCGTGAGAAGAAGCAGCGTCAAGTGGATTGGTCCCACAGGAGTGAAC
 CAGAGCATGTCTTCCATCGAAGCCACACGGCAACTGTGCGGTCCAGGTTGAGAACCCGCGCAGCCTCTC
 ACGTGGACAATGAGTACAGCCAGCCTCCAGGAACTCTCGCCTGTGCGCTTATCCAGCTCTGGAAGGGGC
 CCTACACCGCTCTCCACACAACCTGACAATTCCTCTGACAGTACTATGACCTGCAAGTGGCTCAGAGA
 CTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210425 representing NM_019295
 Red=Cloning site Green=Tags(s)

MDSHEVLLAATYLLGTLAAFCLQSGRGFVGAQVMLSGSNSKCQGLVEVQMNGMKTVCSSSWRLSQDLWK
 NANEASTVCQQLGCGNPLALGHLTLWNRPKNQILCQPPWFSNCSTSSLGQCLPLSLVCLPEPQKTTPLP
 TTTLPPTMPEPTAPPRLQLVPGHEGLRCTGVVEFYNGSRGGTILYKAKARPVDLGNLICKSLQCGSFLTH
 LSRIETAGTPAPAELRDPRLPIRWEAQNGSCTSLQQCFQKTTVQEGSQALAVVCSDFQPKVQSRLVGG
 SVCEGIAEVRQRSQWAALCDSSAARGPGRWEELCQEQQCGNLISFHVMDADRTSPGVLCTQEKLQCYQL
 QKTHCKRVFITCKDPNPVGLAPGTVASIIILTLVLLVLMVMCGPLIYKKLVKFRQKQKQWIGPTGVN
 QSMSFHRSHATVRSQVENPAASHVDNEYSQPPRNSRLSAYPALEGALHRSSTQPDNSSDSDYDLQVAQR
 L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

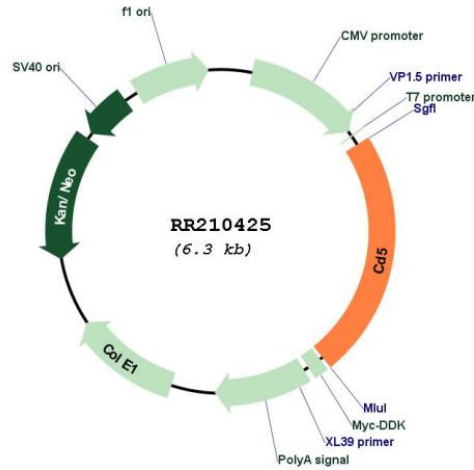
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_019295

ORF Size: 1473 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	NM_019295.1 , NP_062168.1
RefSeq Size:	2059 bp
RefSeq ORF:	1476 bp
Locus ID:	54236
UniProt ID:	P51882
Cytogenetics:	1q43
MW:	53.4 kDa
Gene Summary:	binds CD2 glycoprotein on thymocytes; may play a role in T lymphocyte signal transduction [RGD, Feb 2006]