

## Product datasheet for **RR205550**

### Cd55 (NM\_022269) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd55 (NM_022269) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd55
Synonyms:	Daf; Daf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR205550 representing NM_022269 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATCCGCACGCGGGCGCGGGGACTCGGGCACCGCCGCCGCCGCTGCTGCTGTCGCTGTCGCTGC  
TGCTGCTGCTGCTGTCCCGACTGTAAGCGGAGACTGCGGCCACCTCCAGACATTCCTAATGCCACGCC  
AAACTCGGGTAAACACACCAAGTTGCCCACAAAGCCAAGTGACATATTCGTGTAATAAGGGCTTCAA  
CAAATCCAGACAAGCCAAACACAGTGGTCTGCCTTGAAAATGACCAATGGTCTAACTACGAACTTTCT  
GTAATAAAACCTGTAGTCTCCACTGAGACTGAATTATGCATCCCTCAAAAAGGAGTATCGTAACATGAA  
TTTTTTCCCAATTGGCACCCTGTGGAATTTGAGTGTCCGCCAGGATTCAAAAAGTAACTTCACGCACA  
GGAAAAACAACCTGCCTTGAGGAATTAGTATGGTCTCCAGTTGTTGAATTTGTAAAAAAGAGCATGCC  
CTAATCTAGAGAACTGAAAAATGGTCACATCAACATACCAACTGACATATTATTCGGATCAGAAATAAT  
CTTCTCATGCGACAAAGGGTACAAGCTGGTCCGGTGAACCTTCTACATTCTGTTCTATTACGGGGAATGCT  
GTGGACTGGGATGACGTATTTCCAGTGTGCACAACAATTTTTGTCCAGACCCACCAAAAATCAATAATG  
GAAGAATTCGAGAGGAAAGCGACTCCTACGCATATAGACAGTCCGGTGACCTATTCCTGTGACCAAGGCTT  
CATTCTGGTTGGAATTTCTCCGTTTCTTGTACTCTGAACGGTGAAGTAGGAGAATGGAGTAGTGCACCA  
CCAAGTGCATAGAGAGACACAAGGTCCCAACTAAGACCCCAAGATTGATATTCCAAGTACAATGC  
CTCATGAATCCACCTTAATTAATTTTCCAAGTACAAGAGCCCACTGTCTCATAAACCCACTACAGTTAA  
AGTTCCAGGTACAAGAGTCAAACCAACGTCTCACAAGCCCACTGAAGTTAAAGTTCCAGCAACACAGCAT  
GTACCTGTTTCCAAGACAACGGTACGTCAACAGAGAACATCTAAAGACAGAGGAGAGTCAATTCAG  
GTGGTGACCATTTTATATATGGACATACATGTTTAATAACCATGACAATTTGTCATGTGATGCTCTTACT  
CACTGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR205550 representing NM\_022269  
Red=Cloning site Green=Tags(s)

MIRTRAPGTRAPPPPLLLSLLLLLLLSPTVSGDCGPPPDIPNATPNSGKHTKFAHQSQVTYSCNKGFK  
 QIPDKPNTVVCLENDQWSNYETFCNKTCAPLRLNYASLKKKEYRNMNFFPIGTTVEFECRPGFQKVTSR  
 GKSTCLEELVWSPVVEFCCKRACPNPRELKNGHINIPTDILFGSEIIFSCDKGYKLVGVTSTFC  
 SITGNAVDDVFPVCTTIFCPDPPKINNGRIEESDSYAYRQSVTYSCDQGFILVGNSSVHCTLN  
 GEVGEWSSAPPKCIERHKVPKTPPEVDIPSTMPHSTLINFSTRAPLSHKPTTVKVPGTRVKPT  
 SHKPTEVKVPATQHVPVSKTTVRHPTRTSKDRGESNSGGDHFITYGHTCLITMTILHVMLLLTG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_022269

**ORF Size:** 1197 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:**

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\\_022269.2](#), [NP\\_071605.2](#)

**RefSeq Size:** 1836 bp

**RefSeq ORF:** 1200 bp

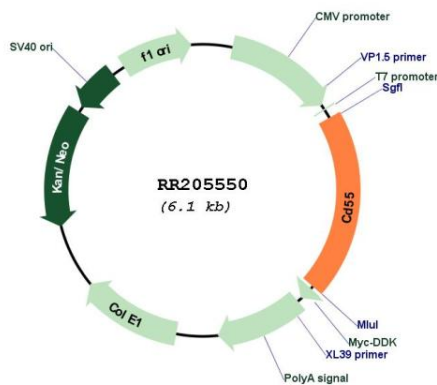
**Locus ID:** 64036

**Cytogenetics:** 13q13

**MW:** 44 kDa

**Gene Summary:** accelerates the decay of the classical and alternative pathway C3 convertases, C4b2a and C3bBb [RGD, Feb 2006]

**Product images:**



Circular map for RR205550