

Product datasheet for **RC238266**

CD55 (NM_001300902) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD55 (NM_001300902) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CD55
Synonyms:	CHAPLE; CR; CROM; DAF; TC
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238266 representing NM_001300902
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACCGTCGCGCGCCGAGCGTCCCGCGCGCTGCCCTCCTCGGGGAGCTGCCCGGCTGCTGCTGC
 TGGTGCTGTTGTGCCTGCCGCGCGTGTGGGGTGAAGTGTGGCCTTCCCCAGATGTACCTAATGCCAGCC
 AGCTTTGGAAGGCCGTACAAGTTTTCCCGAGGATACTGTAATAACGTACAATGTGAAGAAAGCTTTGTG
 AAAATTCCTGGCAGAAGGACTCAGTGACTGCCTTAAGGGCAGTCAATGGTCAGATATTGAAGAGTTCT
 GCAATCGTAGCTGCGAGGTGCCAACAAGGCTAAATTCGCATCCCTCAAACAGCCTTATATCACTCAGAA
 TTATTTCCAGTCGGTACTGTTGTGAATATGAGTGCCGTCCAGGTTACAGAAGAGAACCTTCTCTATCA
 CCAAACTAAGTGCCTCAGAATTTAAAATGGTCCACAGCAGTCAATTTGTAAAAAGAAATCATGCC
 CTAATCCGGGAGAAATACGAAATGGTCAAGTGTGTACCAGGTGGCATATTTTGGTGAACCATCTC
 CTTCTCATGTAACACAGGTACAATTTTGGCTCGACTTCTAGTTTTGTCTTATTTTCAGGCAGCTCT
 GTCAGTGGAGTGACCCGTTGCCAGAGTGACAGAGAAATTTATTGTCCAGCACACCACAAATGACAATG
 GAATAATCAAGGGGAACGTGACCAATTATGGATATAGACAGTCTGTAACGTATGCATGTAATAAAGGATT
 CACCATGATTGGAGAGCACTCTATTTATTGACTGTGAATAATGATGAAGGAGAGTGGAGTGGCCACCA
 CCTGAATGCAGAGGAAAACTCTAACTTCCAAGTCCCACCAACAGTTCAGAAACCTACCACAGTAAATG
 TTCCAACACAGAAGTCTACCAACTTCTCAGAAAACCACCACAAAAACCACCACCAAAATGCTCAAGC
 AACACGGAGTACACCTGTTTCCAGGACAACCAAGCATTTCATGAAACAACCCCAATAAAGGAAGTGA
 ACCACTCAGGTACTACCCGCTTCTATCTGTTCTCGTCTGTACCCAGGCTGGTATGCGGTGGTGTG
 ATCGTAGCTCACTGCAGTCTCGAACTCCTGGGTTCAAGCGATCCTCCACTTCAGCCTCCAAGTAGCTG
 GTACTACAGGTGTGTGCCACGACACCCGGCTAAGTTTTTGAATTTATTTTTGTAGAGACAGGATTTTC
 CTATGTTGCCAGGCTGTTTCAAACCTCCTGGCGTAAGCGATTTTTCCGGCCTCCAAAACGTTGCGAT
 TA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238266 representing NM_001300902
 Red=Cloning site Green=Tags(s)

MTVARPSVPAALPLLGELPRLLLLVLCLPAVWGDCLPPDVPNAQPALEGRTSFPEDTVITYKCEESFV
 KIPGEKDSVICLKGSQWSDIEEFCNRSCEVPTRLNSASLKQPYITQNYFPVGTVEYECRPGYRREPSLS
 PKLTCLQNLKWSTAVEFCKKSCPNPGEIRNGQIDVPGGILFGATISFSCNTGYKLFGSTSSFLISGSS
 VQWSDPLPECREIYCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEWSGPP
 PECRGKSLTSKVPPTVQKPTTVNVPTEVSPTSQKTTTTPNAQATRSTPVSRTTKHFHETTPNKGSG
 TTSGTTLLSGSRPVTQAGMRWCDRSSLQSRTPGFKRSFHFSLPSSWYYRCVPRHPAKFLKIFICRDRIF
 LCCPGWFQTPGRKRFRPPKTLRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_001300902.2
RefSeq Size:	1784 bp
RefSeq ORF:	1335 bp
Locus ID:	1604
Cytogenetics:	1q32.2
Protein Families:	Druggable Genome
Protein Pathways:	Complement and coagulation cascades, Hematopoietic cell lineage, Viral myocarditis
MW:	49.8 kDa
Gene Summary:	This gene encodes a glycoprotein involved in the regulation of the complement cascade. Binding of the encoded protein to complement proteins accelerates their decay, thereby disrupting the cascade and preventing damage to host cells. Antigens present on this protein constitute the Cromer blood group system (CROM). Alternative splicing results in multiple transcript variants. The predominant transcript variant encodes a membrane-bound protein, but alternatively spliced transcripts may produce soluble proteins. [provided by RefSeq, Jul 2014]