

Product datasheet for **SC322226**

CD55 (NM_000574) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD55 (NM_000574) Human Untagged Clone
Tag: Tag Free
Symbol: CD55
Synonyms: CHAPLE; CR; CROM; DAF; TC
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322226
GCAACTCGCTCCGGCCGCTGGGCGTAGCTGCGACTCGGCGGAGTCCCGGGCGCGCTCCT
TGTTCCTAACCCGGCGCCATGACCGTGC CGCGCCGAGCGTGCCCGGGCGCTGCCCT
CCTCGGGGAGCTGCCCGGCTGCTGCTGCTGGTGTGTTGTGCCTGCCGGCCGTGTGGG
TGACTGTGGCCTTCCCCAGATGTACCTAATGCCAGCCAGCTTTGGAAGGCCGTACAAG
TTTTCCGAGGATACTGTAATAACGTACAAATGTGAAGAAAGCTTTGTGAAAATCCTGG
CGAGAAGGACTCAGTGATCTGCCTTAAGGGCAGTCAATGGTCAGATATTGAAGAGTTCTG
CAATCGTAGCTGCGAGGTGCCAACAAAGGCTAAATCTGCATCCCTCAAACAGCCTTATAT
CACTCAGAATTATTTCCAGTCCGTAAGTGTGGAATATGAGTGCCGTCAGGTTACAG
AAGAGAACCTTCTATACCAAACTAACTTGCCTTCAGAAATTTAAAATGGTCCACAGC
AGTCGAATTTTGTAAAAAGAAATCATGCCCTAATCCGGGAGAAAACGAAATGGTCAGAT
TGATGTACCAGGTGGCATATTATTTGGTCAACCATCTCCTTCTCATGTAAACACAGGGTA
CAAATTATTTGGCTCGACTTCTAGTTTTTGTCTTATTTACAGGCAGCTCTGTCCAGTGGAG
TGACCCGTTGCCAGAGTGCAGAGAAAATTTATTGTCCAGCACCCACAAATGACAATGG
AATAATTCAAGGGGAACGTGACCATTATGGATATAGACAGTCTGTAACGTATGCATGTAA
TAAAGGATTCACCATGATTGGAGAGCACTCTATTTATTGACTGTGAATAATGATGAAGG
AGAGTGGAGTGGCCACCACCTGAATGCAGAGGAAAATCTCTAACTTCCAAGGTCCCACC
AACAGTTCAGAAACCTACCACAGTAAATGTTCCAACACAGAAGTCTCACCAACTTCTCA
GAAAACCACCAAAAACCACCACCAAAATGCTCAAGCAACAGGAGTACACCTGTTTC
CAGGACAACCAAGCATTTCATGAAACAACCCCAATAAAGGAAGTGAACCACTTCAGG
TACTACCCGCTTCTATCTGGGCACACGTGTTTACGTTGACAGGTTTGCTTGGGACGCT
AGTAACCATGGGCTTGTGACTTACGCAAAAGAGTTAAGAAGAAAATACACACAAGTA
TACAGACTGTTCCTAGTTTCTTAGACTTATCTGCATATTGGATAAAAATAATGCAATTGT
GCTCTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire



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ACCN:	NM_000574
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_000574.2 , NP_000565.1
RefSeq Size:	2308 bp
RefSeq ORF:	1146 bp
Locus ID:	1604
UniProt ID:	P08174
Cytogenetics:	1q32.2
Domains:	CCP
Protein Families:	Druggable Genome
Protein Pathways:	Complement and coagulation cascades, Hematopoietic cell lineage, Viral myocarditis
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform 1 (also known as gDAF), which is membrane-associated. Sequence Note: This RefSeq record represents the CD55*001.1.1 allele.</p>