

Product datasheet for **RG237883**

CD55 (NM_001300904) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD55 (NM_001300904) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD55
Synonyms:	CHAPLE; CR; CROM; DAF; TC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237883 representing NM_001300904. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCGTCGCGCGGCCGAGCGTGCCCGCGGCGCTGCCCTCCTCGGGGAGCTGCCCGGCTGCTGCTG
CTGGTGTGTTGTGCCTGCCGGCCGTGTGGGTGACTGTGGCCTTCCCCAGATGTACCTAATGCCAG
CCAGCTTTGGAAGGCCGTACAAGTTTTCCCGAGGATACTGAATAACGTACAAATGTGAAGAAAGCTTT
GTGAAAATTCCTGGCGAGAAGGACTCAGTGATCTGCCTTAAGGGCAGTCAATGGTCAGATATTGAAGAG
TTCTGCAATCGTAGCTGCGAGGTGCCAACAAAGGCTAAATCTGCATCCCTCAAACAGCCTTATATCACT
CAGAATTATTTCCAGTCGGTACTGTTGTGGAATATGAGTGCCGTCAGGTTACAGAAGAGAACCTTCT
CTATACCAAAAATAACTTGCCTTCAGAAATTTAAATGGTCCACAGCAGTCAATTTTGTAAAAAGAAA
TCATGCCCTAATCCGGGAGAAATACGAAATGGTCAGATTGATGTACCAGGTGGCATATTATTTGGTGCA
ACCATCTCCTTCTCATGTAACACAGGGTACAAATTTTGGCTCGACTTCTAGTTTTTGTCTTATTTCA
GGCAGCTCTGTCCAGTGGAGTGACCCGTTGCCAGAGTGCAGAGAAATTTATTGTCCAGCACCACCACAA
ATTGACAATGGAATAATCAAGGGGAACGTGACCATTATGGATATAGACAGTCTGTAACGTATGCATGT
AATAAAGGATTCACCATGATTGGAGAGCACTCTATTTATTGTACTGTGAATAATGATGAAGGAGAGTGG
AGTGGCCACCACCTGAATGCAGAGGAAAATCTCTAACTTCCAAGTCCCACCAACAGTTCAGAAACCT
ACCACAGTAAATGTTCCAACACAGAAGTCTACCAACTCTCAGAAAACCACCACAAAACCACCACA
CCAAATGCTCAAGCAACACGGAGTACACCTGTTTCCAGGACAACCAAGCATTTTTCATGAAACAACCCCA
AATAAAGGAAGTGAACCACTTCAGGTAACCCGCTTCTATCTGCTCTGCAAGTTAGACCTTTTGAA
GTGCTGGGTATCCACATTTCTTCAAAAAGATGATGTGCATCCTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237883
 Blue=ORF Red=Cloning site Green=Tag(s)

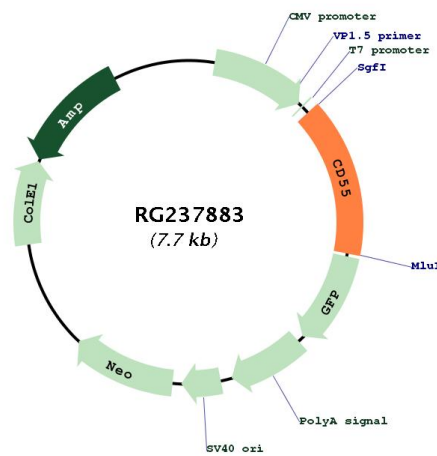
MTVARPSVPAALPLLGLPRLLLLVLCLPAVWGDCGLPPDVPNAQPALEGRTSFPEDTVITYKCEESF
 VKIPGKDSVICLKGSQWSDIEEFCNRSCEVPTRLNSASLKQPYITQNYFPVGTVVEYECRPGYRREPS
 LSPKL TCLQNLKWTAVEFCCKKSCPNGEIRNGQIDVPGGILFGATISFSCNTGYKLFGSTSSFCLIS
 GSSVQWSDPLPECREIYCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFMTIGEHSIYCTVNNDEGEW
 SGPPPECRGKSLTSKVPTVQKPTTVNVPTEVSPTSQKTTTKTTPNAQATRSTPVSRTTKHFHETTP
 NKGSGTTSGTTRLLSALQVRPFVSGSSHISKKMMCIL
TRTRPLEME~~SD~~ESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001300904
ORF Size:	1152 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).
RefSeq:	NM_001300904.2
RefSeq Size:	2889 bp
RefSeq ORF:	1155 bp
Locus ID:	1604
UniProt ID:	P08174
Cytogenetics:	1q32.2
Protein Families:	Druggable Genome
Protein Pathways:	Complement and coagulation cascades, Hematopoietic cell lineage, Viral myocarditis
MW:	42.3 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]