

Product datasheet for **MG206092**

Cd55 (NM_010016) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd55 (NM_010016) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cd55
Synonyms:	Daf; Daf-; Daf-GPI; Daf1; GPI-; GPI-DAF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206092 representing NM_010016 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCCGTGGCGGGCGCCTAGGACTCGGCCATCACCGCCGCTCCGCTGCTGCCGTTGCTGTCGCTGT
CTCTGTTGCTGCTGTCCCAACTGTACGCGGAGACTGCGGCCACCTCCAGACATTCCTAATGCCAGGCC
AATCTTGGGCAGACACTCCAAGTTTGTGAGCAAAGCAAAGTGGCATACTCGTGAATAACGGCTTTAAA
CAAGTTCAGACAAGTCAAACATAGTTGTCTGTCTTGAAATGGCCAATGGTCGAGCCACGAAACATTCT
GTGAGAAATCACTTGTGCTCCAGAAAGACTGAGTTTTGCATCCCTCAAAAAGAGTACCTCCACATGAA
TTTTTCCAGTTGGTACTATTGTGGAATATGAGTGTGCGCCAGGATTCGAAAACAACCTCCACTCCCA
GGAAAATCAACTTGCCTTGGAGATTTAGTATGGTCTCCAGTTGCTCAGTTTTGTAATAAATCATGCC
CTAATCTAAAGATCTGGATAATGGTCACATCAACATACCAACCGGCATATTATTCGGTTTCAGAAATAAA
CTTCTCATGCAACCCAGGGTACAGGCTAGTTGGTGTCTCTCTACTTTCTGTTCTGTACAGGAAATACT
GTTGATTGGGACGATGAGTTCCAGTGTGCACAGAAATACATTGTCCAGAGCCACCAAAATCAACAATG
GAATAATGCGAGGGGAAAGTGACTCTTATACGTATAGCCAGGTGGTCACCTATTCATGTGACAAAGGCTT
CGTCTGGTTGAAATGCTAGCATTATGTACTGTGAGCAAGTCTGATGTAGGACAATGGAGCAGTCCA
CCACCCGGTGCATAGAGAAATCCAAGTCCCAACGAAGAAACCAACAATTAATGTTCCAAGTACAGGAA
CCCCCTCAACGCCTCAGAAACCCACACTAGAAAGTGTTCCAAATCCAGGAGACCAACCACTCCTCAGAA
ACCTTCCACAGTTAAAGTTTCAGCAACCCAGCATGTACCTGTTACCAAGACAACAGTACGTCATCCAATA
AGAACATCTACAGACAAAGGAGAGCCTAACACAGGTGGTGACCGTTATATATATGACATACATGTTTAA
TAACCTTGACAGTTTTGCATGCGATGCTATCACTATTGGCTACTTGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206092 representing NM_010016
 Red=Cloning site Green=Tags(s)

MIRGRAPRTRPSPPPPLLLSLSLLLLSPTVRGDCGPPPDIPNARPILGRHSKFAEQSKVAYSCNNGFK
 QVPDKSNIVVCLENGQWSSHETFCEKSLVAPERLSFASLKKEYLHMNFFPVGTIVEYECRPGFRKQPPLP
 GKSTCLEDLVWSPVAQFCKKSCPNPKDLDNHINIPTGILFGSEINFSCNPGYRLVGVSTTFCSVTGNT
 VDWDDEFVCTEIHCPPEPKINNGIMRGE SDSYTSQVVTYS CDKGFVLVGNASIYCTVSKSDVGQWSSP
 PPRCIEKSKVPTKKPTINVPSTGTPSTPQKPTLESVNPNGDQPTPQKPSTVKVSATQHVPVTKTTVRHPI
 RTSTDKGEPNTGGDRYIYGHTCLITLTVLHAML SLIGYLT

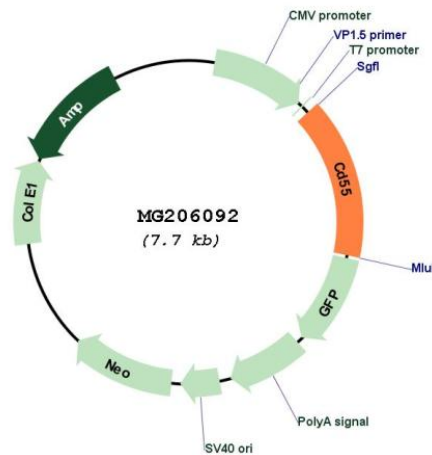
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_010016

ORF Size:	1170 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_010016.2 , NP_034146.2
RefSeq Size:	2527 bp
RefSeq ORF:	1173 bp
Locus ID:	13136
UniProt ID:	Q61475
Cytogenetics:	1 56.89 cM
Gene Summary:	This gene encodes an inhibitor of both the classical and the alternative pathways of complement activation. The encoded preproprotein undergoes post-translational processing to generate a mature polypeptide anchored to the plasma membrane via a glycosylphosphatidylinositol moiety. Erythrocytes from mice deficient in the encoded protein exhibit impaired regulation of complement activation resulting in enhanced complement deposition. Mice lacking the encoded protein exhibit enhanced susceptibility to experimentally induced myasthenia gravis. This gene is located adjacent to a closely related gene on chromosome 1. [provided by RefSeq, Nov 2015]