

Product datasheet for **MG216958**

Cd302 (NM_025422) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd302 (NM_025422) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cd302
Synonyms: 1110055L24Rik; AI159627
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216958 representing NM_025422
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCCACGCAGCGCTGTCTCGCTCGTGTCTGAGCCTCGCCACTGCCATCGTCGCCGACTGTCCTT
CATCTACCTGGGTCAGTTCCAAGGCAGCTGTTATGCTTTTCTCAAGTAACCATCAATGTGAAAAACAT
AGAGGATGTCAGAAAACAGTGCCTGACCACGGGCAGACATGGTAAGCATACACAATGAAGAGGAAAAC
GCGTTTACTGGACACTTTGAAAAGCGATGGAAGGGTCCAGATGATCTCCTGCTAGGCATGTTCTATG
ACACTGATGATGCAACTTCAAGTGGTATGATCATTCAAATATGACATTCGACAAGTGGCAGATCAAGA
TGGTGAGGACCTAGTTGATACCTGTGGTTTTCTGTACCCAAGACAGGTGAATGGAGAAAAGGGGATTGT
GAAATCTCTTCTGTGGAGGAACTTTGCAAAGCAGCAAATAACCACATTTTAAATCGACTCTGGTGA
TCGCTAGCACAGTAACTCTGGCAGTTTTGGGAGCGATCATTTGGTTCTCTATAGAAGAAACGCGCGCTC
TGGCTTCACTCTTTTACCTGCACCACTGTCACCTTACAGTATGGCTGTGCCCTGGTAGTTGCAGAA
GAAGATGAATATGCTGTTTCAGCTGGAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



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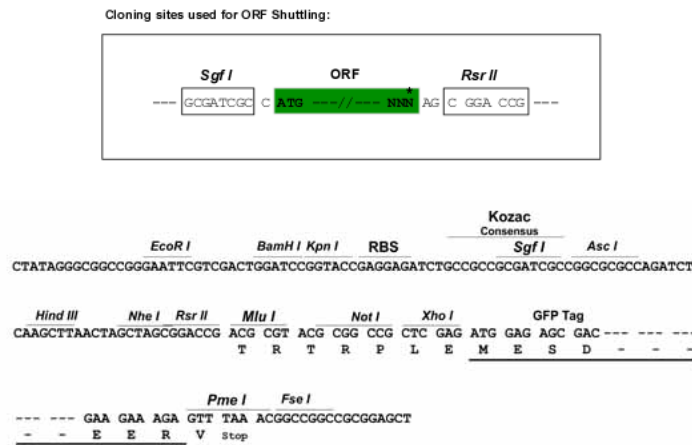
Protein Sequence: >MG216958 representing NM_025422
 Red=Cloning site Green=Tags(s)

MPHAALSSLVLLSLATAIVADCPSTWVQFQGSCYAFLQVTINVENIEDVRKQCTDHGADMVSIHNEEEN
 AFILDTLQKRWKGPDDL LLLGMFYDTDDATFKWYDHSNMTFDKWADQDGEDLVDTCCGFLYTKTGEWRKGD
 EISSVEGTLCKAANNHILISTLVIASVTLAVLGAIWFLYRRNARSGFTSFSPAPLSPYSDGCALVVAE
 EDEYAVQLD

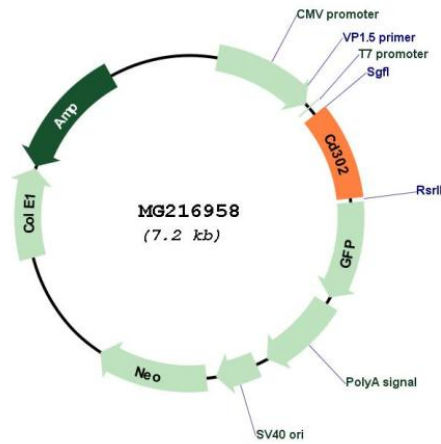
SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_025422

ORF Size: 657 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_025422.4 , NP_079698.2
RefSeq Size:	1257 bp
RefSeq ORF:	660 bp
Locus ID:	66205
UniProt ID:	Q9DCG2
Cytogenetics:	2 C1.1
Gene Summary:	Potential multifunctional C-type lectin receptor that may play roles in endocytosis and phagocytosis as well as in cell adhesion and migration.[UniProtKB/Swiss-Prot Function]