

Product datasheet for **MG202472**

Cd53 (NM_007651) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd53 (NM_007651) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cd53
Synonyms:	A1323659; Ox-44; Tspan25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202472 representing NM_007651 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCATGAGCAGCCTGAAATTGCTGAAATATGTTCTGTTTATCTTTAACTTGCTTTTTGGGTCTGTG
GCTGTTGCATTTTGGGCTTTGGCATCTATTTCTGGTCCAAAATACCTATGGAGTACTCTCCGTAACCT
TCCCTTCTGACACTTGGCAACATTCTGGTCATTGTGGGATCCATTATCATGGTAGTTGCCTTCTGGGT
TGCATGGGCTCAATCAAGGAAAAAAGTGCCTGCTTATGTCGTTCTTGTCTGCTGCTGATTATTCTCC
TTGCTGAGGTGACCATAGCCATCCTGCTCTTTGTGTATGAACAAAACCTCAACACTTTAGTGCTGAGGG
TCTGAATGACAGCATCCAACATTATCACTCTGACAACAGCACTATGAAGGCATGGGACTTCATCCAGACA
CAACTGCAGTGTGTGGTGTAATGGCTCAAGTATTGGACCAAGTGGTCCACCATCTTCCGCCATCAG
GTGCAGATGTTCAAGGTTGCTATAATAAGGCAAAATCGTGGTTTCACTCCAATTTCTTGTATATTGGAAT
CATTACCATCTGTGTATGTGTATACAGGTGCTGGGAATGTCCTTTGCACTGACACTCAACTGCCAGATT
GACAAAACAAGCCAGGCTTTAGGGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202472 representing NM_007651
Red=Cloning site Green=Tags(s)

MGMSSLKLLKYVLFIFNLLFWVCGCCILGFGIYFLVQNTYGVLFNRNLPFLTLGNILVIVGSIIMVVAFLG
 CMGSIKENKCLLMSFFVLLLIILLA EVTIAILLFVYEQLNNTLVAEGLNDSIQHYHSDNSTMKAWDFIQT
 QLQCCGVNGSSDWTSGPPSSPCSGADVQGCYNKAKSWFHSNFLYIGIITICVCIQVLGMSFALTLNCQI
 DKTSQALGL

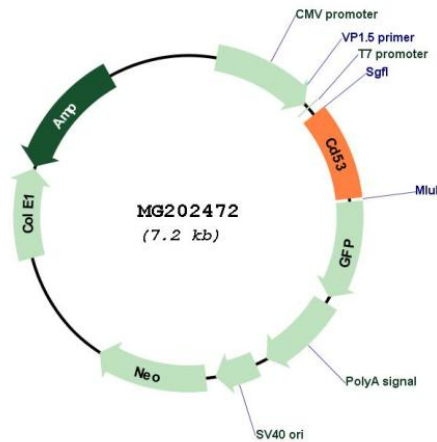
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_007651

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_007651.3
RefSeq Size:	1657 bp
RefSeq ORF:	660 bp
Locus ID:	12508
UniProt ID:	Q61451
Cytogenetics:	3 46.53 cM
Gene Summary:	Required for efficient formation of myofibers in regenerating muscle at the level of cell fusion. May be involved in growth regulation in hematopoietic cells.[UniProtKB/Swiss-Prot Function]