

## Product datasheet for MR202472

### Cd53 (NM\_007651) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd53 (NM_007651) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd53
Synonyms:	AI323659; Ox-44; Tspan25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202472 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCATGAGCAGCCTGAAATTGCTGAAATATGTTCTGTTTATCTTTAACTTGCTTTTTGGGTCTGTG  
GCTGTTGCATTTTGGGCTTTGGCATCTATTTCTGGTCCAAAATACCTATGGAGTACTCTCCGTAACCT  
TCCCTTCTGACACTTGGCAACATTCTGGTCATTGTGGGATCCATTATCATGGTAGTTGCCTTCTGGGT  
TGCATGGGCTCAATCAAGGAAAATAAGTGCCTGCTTATGTCGTTCTTTGTTCTGCTGCTGATTATTCTCC  
TTGCTGAGGTGACCATAGCCATCCTGCTCTTTGTGTATGAACAAAACCTCAACACTTTAGTGCTGAGGG  
TCTGAATGACAGCATCCAACATTATCACTCTGACAACAGCACTATGAAGGCATGGGACTTCATCCAGACA  
CAACTGCAGTGTTGTGGTGTAATGGCTCAAGTATTGGACCAAGTGGTCCACCATCTTCCGCCCATCAG  
GTGCAGATGTTCAAGGTTGCTATAATAAGGCAAAATCGTGGTTTCACTCCAATTTCTTGATATTGGAAT  
CATTACCATCTGTGTATGTGTATACAGGTGCTGGGAATGTCCTTTGCACTGACACTCAACTGCCAGATT  
GACAAAACAAGCCAGGCTTTAGGGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR202472 protein sequence  
Red=Cloning site Green=Tags(s)

MGMSSLLKLLKYVLFIFNLLFWVCGCCILGFGIYFLVQNTYGVLFNRNLPFLTLGNILVIVGSIIMVVAFLG  
 CMGSIKENKCLLMSFFVLLLIILLA EVTIAILLFVYEQLNLTVAEGLNDSIQHYHSDNSTMKAWDFIQT  
 QLQCCGVNGSSDWTSGPPSSCPGADVQGCYNKAKSWFHSNFLYIGIITICVCIQVGLGMSFALTLNCQI  
 DKTSQALGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_007651

**ORF Size:** 666 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:**

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:** 2802 bp

**RefSeq ORF:** 660 bp

**Locus ID:** 12508

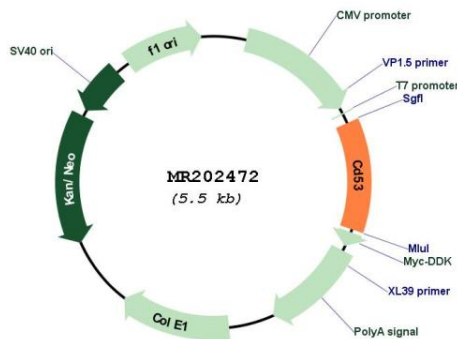
**UniProt ID:** [Q61451](#)

**Cytogenetics:** 3 46.53 cM

**MW:** 24.2 kDa

**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]

### Product images:



Circular map for MR202472