

## Product datasheet for **MG207937**

### Cd5 (NM\_007650) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd5 (NM_007650) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cd5
Synonyms:	Ly-1; Ly-12; Ly-A; Lyt-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207937 representing NM\_007650  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGACTCCCACGAAGTCTGCTGGCTGCCACGTACCTGCTGGGAACGCTGGCGCTTTCTGCCTCGGAC  
 AGTCTGGAAGGGGTGGCCTAGATATCCAGGTGATGCTAAGTGGCTCCAACCCAAGTGTCAGGGTCAAGT  
 GGAGATCCAGATGAAAAACAAGTGGAAAAACAGTGTGCAAGTCCAGTTGGAGGCTGAGCCAGGACCATTCCG  
 AAAAATGCCCAGCAGGCCTCTGCAGTGTCAAAGAGCTGAGATGTGGTGACCCCTTGGCCCTTGGTCCTT  
 TCCCTTCAATTGAACAGACCCCAAGACAGGTCTTCTGCCAAGGATCTCCGTTGGTCTATATCCAACCTGCAA  
 CAACACAAGTTTACAAGACCAAGTGCCTTCCGCTGAGCCTGATCTGCCTAGAGCCCAGAGAACGACACCT  
 CCACCCACAACCACCCACCCACCCTGCCAGAGCCCACAGCTCCTCCAGATTGCAGCTGGTGCCAG  
 GACACGAAGGCCCTGAGGTGCACAGGTGTGGTGAATTCTACAATGGCAGCTGGGGTGGCACCATCTCTA  
 CAAGGCCAAGGACAGGCCCTGGCCTGGGAACCTCATCTGTAAGTCTCTGCAGTGTGGCTCTTTCTTG  
 ACACATCTGTCCGGGACAGAGGCAGCAGGGACACCAGCTCCTGCAGAGCTGAGGGACCCAGGCCCTTGC  
 CAATTCGATGGGAGGCCCGAACGGGAGCTGTGTCTACTACAGCAGTGCTTCCAGAAAAACAACGGCCCA  
 GGAGGGCGGCCAGGCGCTCACCGTCATCTGCTCTGATTTCCAGCCCAAGGTTTCAGAGCCGCTGGTCGGG  
 GGCAGCAGTGTGTGTGAGGGCATCGCTGAAGTGCAGCAGATCACAGTGGGAGGCCCTGTGTGACAGTT  
 CTGCAGCCAGGGCCGGGACGGTGGGAAGAGCTATGTCCGGGAGCAGCAGTGTGGCGACCTCATCTCCTT  
 CCACACGGTGGATGCTGACAAAACCTCCCCGGGTTCTCTGTGCCAGGAGAAGCTGTCTCAGTGTAC  
 CATCTCCAGAAAAAAAACACTGCAACAAGAGGGTATTCGTACATGCCAAGACCCAAACCCAGCAGGCC  
 TGGCCCCAGGCACTGTGGCAAGCATCCTGACCTTGTACTCCTGGTGGTGTCTGCTGGCCATGTGTGG  
 TCCTCTGGTCTACAAGAAGCTGGTGAAGAAATTCGTGCAAAAAAGCAGCGTCAGTGGATTGGCCCCACA  
 GGAGTGAACCAGAACATGTCTTTCCATCGAAGCCACACAGCAACTGTGCGGTCCCAAGTTGAGAACC  
 CAGCCTCTCATGTGGACAATGAATACAGCCAGCCTCCAGGAACTCTCACCTGTCTGCTTATCCAGCTCT  
 GGAAGGAGCCCTACACCGATCTTCTACACAACCTGACAACTCCTCTGACAGTGACTATGACCTGCAAGT  
 GCTCAGAGACTG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG207937 representing NM\_007650  
 Red=Cloning site Green=Tags(s)

MDSHEVLLAATYLLGTLAAFCLGQSGRGGLDIQVMLSGSNSKQCQVVEIQMENKWKTVCSWSRLSQDHS  
 KNAQQASAVCKELRCGDPLALGPFPSLNRPNQVFCQSPWSISNCNNTSSQDQCLPLSLICLEPQRTTP  
 PPTTTPPTTVPEPTAPPRLQLVPGHEGLRCTGVVEFYNGSWGTTILYKAKDRPLGLGNLICKSLQCGSFL  
 THLSGTEAAGTPAPAE LRDRPLPIRWEAPNGSCVSLQQCFQKTTAQEGGQALTVICSDFQPKVQSRLVG  
 GSSVCEGIAEVRQRSQWEALCDSSAARGRGRWEELCREQQCGDLISFHTVDADKTPSPGFLCAQEKLSQCY  
 HLQKKKHCNKRVFVTCQDPNPAGLAPGTVASIILTLVLLVLLAMCGPLVYKLVKFRQKQIQWIGPT  
 GVNQNMSFHRSHATVRSQVENPTASHVDNEYSQPPRNSHL SAYPALEGALHRSSTQPDNSSDSDYDLQV  
 AQRL

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_007650

**ORF Size:** 1482 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\\_007650.2](#)

**RefSeq Size:** 2069 bp

**RefSeq ORF:** 1485 bp

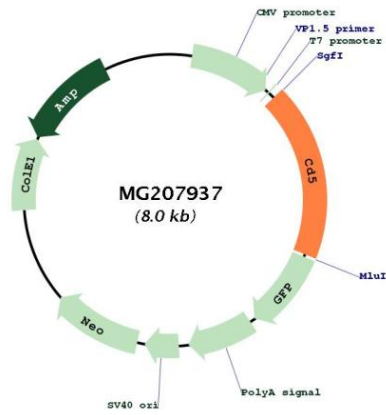
**Locus ID:** 12507

**UniProt ID:** [P13379](#)

**Cytogenetics:** 19 7.16 cM

**Gene Summary:** May act as a receptor in regulating T-cell proliferation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG207937