

## Product datasheet for **MG209226**

### Ermap (NM\_013848) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ermap (NM_013848) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ermap
Synonyms:	AA409279; AI666418
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG209226 representing NM\_013848  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTGAAGCGGCTAAAGAAACATGTGGTGGCGTGGAAAATGTGTGAATGCCACACTCACGGAAGATGT  
 CAGTTCATATGGAGAGACCAAGTCCCTGTGGTTCTCTGGCTTGTCGGCTGTCTCTTACCATAGCTGTCTT  
 CCAGCCGCTGTTCCAGGTGTAGGGGATGCTGGCAAGGTCTACATAGCCCTCTTAGGGACACAGCCAAC  
 TTGCCCTGCCCTCTTCTCTGGCCTAACATGGTACTCAGCGAGATGAGGTGGTATCGGCCCGGACACC  
 TACCTCGACCCAGGCTGTCCACGTGTTCCGGGACGGGCAGGACAGAGATGAAGACCTGATGCCAGAATA  
 TAAGGGCAGGACGGCACTGGTGAAGGATGCCACAAGGAAAGCTACATCCTGCAAATCAGTAATGTGAGG  
 CTCGAGGACCGAGGGCTATACCAGTGCCAGGTCTGGTTCGGAACTCAAGTCGAGAAGACAACGTGACCC  
 TGCAGGTGGCAGGTTCTGATCCCTACATCCACGTGAAGGGCTATGATGCTGGGTGGATCGAGCTGCTGTG  
 TCAATCAGTGGGATGGTCCCAAAGCCGTGGACTGAGTGGAGAGACACTACGGGTAGAGCGCTACTCTCC  
 CTTTCAGAGGTTCACTCCCTGGATGAAAATGGGCTGTTCCGAACAGCAGTGTCCAGCAGAATCAGGGACA  
 ATGCCCTGGGAAATGTGTCTTGCCTATCCATAATGAGGCCCTTGGCCAAGAGAAGACGACGGCCATGAT  
 TATTGGAGCCCCAGAACGAGGAAGTCTGTCTCTCCAGCGGTGGCTCTTCTGTGGTCTTGGCCGCTTGTG  
 GGGCTCCTCATCTCCTTGGCATCTGGCTCATTGTAAACAAAAAAATCAAAGAGAAGCTGCTGTATG  
 AGCAAGCGATGGAGGTAGAAAATCTTCTGGAAGACCACGCCAAAGAAAAAGGAAGACTCCACAAAGCCCT  
 CAAGAACTCCGAGTGAAGTGAAGTTGAAAAGAGCGCGGCCAATGCAGGCTGGAGAAGAGCCCGGCTA  
 CATTTTGTGGCAGTGACCCTGGACCCTGACACGGCACATCCCAAATCATCTGTCTGAGGATCGGAGAT  
 GTGTGAGGCTCGGCGACAGGAAGCGCCCTGTTCCCTGACAACCCAGAGAGGTTTGTATTTGTGTGTCAGCGT  
 CCTGGGCTCCGAGTATTTCAACAACCGGCTGTCACTACTGGGAAGTGTACGTGGGCGAGAAGACCAATGG  
 ATTCTTGAGTGTGTAGTGTGAGTCTGTGAGCAGGAAAGGGAAGGTACGGCCTCGCCTGCCAATGGCCACT  
 GGCTTGTGCGACAGAGCCGTGGGAATGAGTATGAAGCTCTCACGTCCCCACAGACCTCCTCCGCTCAA  
 AGAGTCCCGAAGTGTGTGGGATTTTCTGGACTATGAAGCCGGCATCATCTCTTCTACAACGTGACT  
 GATAAGTCCCACATCTTCACTTTACCCACAGTTTCTCGAGCCCACTTCGCCCTTTCTTTGAACCTGTG  
 TTCAGGATGAGGGGAAAAACACGGCCCTTAATCATTGTACTGAGCTTCAAGAAATCAGAGGAATCGAT  
 TGTCCCAACAAGAAGGAAAAGACCGTCTAATGGAGACGTGTCCCTGAAGATGAACCCATCTTACTG  
 TCCCTCAGGTTCTGAGCTATTTCTGCTAATGATACCTGGCCCTTAACCTTGGCCCTGCCCTTAAGG  
 GCCTCAAAGTTCTTCTTTG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG209226 representing NM\_013848  
 Red=Cloning site Green=Tags(s)

MLKRLKKHVVAWKMCVMPHSRKMSVHMERSPCGSWLVGCLFTIAVFPQPQVLGDAGKVYIAPLRDTAN  
 LPCPLFLWPNMVLSEMRWYRPGHLPRQAVHVFRDGDQDRDEDLMPEYKGRALVRDAHKESYILQISNVR  
 LEDRGLYQCQVWVGNSSREDNVTQVAGSDPYIHVKGYDAGWIELLCQSVGWFPKPWTEWRDTTGRALLS  
 LSEVHSLDENGLFRTAVSSRIRDNALGNVSCITHNEALGQEKTTAMIIGAPERGSLSSPAVALSVLPLV  
 GLLILLGIWLICKQKKSKEKLLYEQAMEVENLLEDHAKEKGRHLKALKKLRSELKLRKRAANAGWRRARL  
 HFVAVTLDPDTAHPKILSEDRRCVRLGDRKRPVDPNPERFDVVSVLGSEYFTTGCHYWEVYVGEKTKW  
 ILGVCSESYSRKGVTA SPANGHWLVRQSRGNEYEALTSPTSFRLKESPKCVGIFLDYEAGIISFYNVT  
 DKSHIFTFTHSFSSPLRPFEPCLHDEGKNTAPLIICTELQKSEESIVPKQEGKDRANGDVSLKMNPSLL  
 SPQSELFLLNDTWPSNLGPALKGLKVPSL

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_013848

**ORF Size:** 1770 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

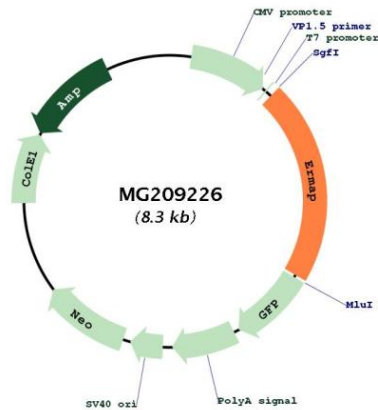
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_013848.1](#), [NP\\_038876.1](#)  
**RefSeq Size:** 4573 bp  
**RefSeq ORF:** 1779 bp  
**Locus ID:** 27028  
**UniProt ID:** [Q9JLN5](#)  
**Cytogenetics:** 4 55.34 cM  
**Gene Summary:** Possible role as a cell-adhesion or receptor molecule of erythroid cells.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG209226