

Product datasheet for **MR209226**

Ermap (NM_013848) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ermap (NM_013848) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ermap
Synonyms:	AA409279; AI666418
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209226 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGAAGCGGCTAAAGAAACATGTGGTGGCGTGGAAAATGTGTGAATGCCACACTCACGGAAGATGT
 CAGTTCATATGGAGAGACCAAGTCCCTGTGGTTCTCTGGCTTGTTCGGCTGTCTCTTACCATAGCTGTCTT
 CCAGCCGCTGTTCCAGGTGTTAGGGGATGCTGGCAAGGTCTACATAGCCCTCTTAGGGACACAGCCAAC
 TTGCCCTGCCCTCTTCTCTGGCCTAACATGGTACTCAGCGAGATGAGGTGGTATCGGCCCGGACACC
 TACCTCGACCCAGGCTGTCCACGTGTTCCGGGACGGGCAGGACAGAGATGAAGACCTGATGCCAGAATA
 TAAGGGCAGGACGGCACTGGTGAAGGATGCCACAAGGAAAGCTACATCTGCAAATCAGTAATGTGAGG
 CTCGAGGACCGAGGGCTATACCAGTCCAGGTCTGGTTCGGAACTCAAGTCGAGAAGACAACGTGACCC
 TGCAGGTGGCAGGTTCTGATCCCTACATCCACGTGAAGGGCTATGATGCTGGGTGGATCGAGCTGCTGTG
 TCAATCAGTGGGATGGTCCCAAAGCCGTGGACTGAGTGGAGAGACACTACGGGTAGAGCGCTACTCTCC
 CTTTCAGAGGTTCACTCCCTGGATGAAAATGGGCTGTTCCGAACAGCAGTGTCCAGCAGAATCAGGGACA
 ATGCCCTGGGAAATGTGTCTTGCCTATCCATAATGAGGCCCTTGGCCAAGAGAAGACGACGGCCATGAT
 TATTGGAGCCCCAGAACGAGGAAGTCTGTCTCTCCAGCGGTGGCTCTTCTGTGGTCTTGGCCGCTTGTG
 GGGCTCCTCATCTCCTTGGCATCTGGCTCATTGTAAACAAAAAAATCAAAGAGAAGCTGCTGTATG
 AGCAAGCGATGGAGGTAGAAAATCTTCTGGAAGACCACGCCAAAGAAAAAGAAAGACTCCACAAAGCCCT
 CAAGAACTCCGAGTGAAGTGAAGTTGAAAAGAGCGCGGCCAATGCAGGCTGGAGAAGAGCCCGGCTA
 CATTTTGTGGCAGTGACCCTGGACCCTGACACGGCACATCCCAAACCTCATCTGTCTGAGGATCGGAGAT
 GTGTGAGGCTCGCGCAGGAAAGCGGCCCTGTTCTGACAACCCAGAGAGGTTTGTATTTTGTGTCAGCGT
 CCTGGGCTCCGAGTATTTCAACAACCGGCTGTCACTACTGGGAAGTGTACGTGGGCGAGAAGACCAATGG
 ATTCTTGGAGTGTGAGTGTGAGCAGGAAAGGGAAGGTACGGCCTCGCCTGCCAATGGCCACT
 GGCTTGTGCGACAGACCGTGGGAATGAGTATGAAGCTCTCACGTCCCCACAGACCTCCTCCGCTCAA
 AGAGTCCCCGAAGTGTGTGGGATTTTCTGGACTATGAAGCCGGCATCATCTCTTCTACAACGTGACT
 GATAAGTCCCACATCTTCACTTTACCCACAGTTTCTCGAGCCCACTTCGCCCTTTCTTTGAACCTGTG
 TTCAGGATGAGGGGAAAAACACGGCCCTTAATCATTGTACTGAGCTTCAGAAATCAGAGGAATCGAT
 TGTCCCCAAACAAGAAGGAAAAGACCGTCTAATGGAGACGTGTCCCTGAAGATGAACCCATCTTACTG
 TCCCTCAGGGTCTGAGCTATTTCTGTTAATGATACCTGGCCCTTAACCTTGGCCCTGCCCTAAGG
 GCCTCAAAGTTCTTCTTTG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209226 protein sequence
 Red=Cloning site Green=Tags(s)

MLKRLKKHVVAWKMCVMPHSRKMSVHMERSPCGSWLVGCLFTIAVFPQPPVQVLGDAGKVYIAPLRDTAN
 LPCPLFLWPNMVLSEMRWYRPGHLPRQTAVHVFRDGGQDRDEDLMPEYKGRALVRDAHKESYILQISNVR
 LEDRGLYQCQVWVGNSSREDNVTQVAGSDPYIHVKGYDAGWIELLCQSVGWFPKPWTEWRDTRALLS
 LSEVHSLDENGLFRTAVSSRIRDNALGNVSIHNEALGQEKTTAMIIGAPERGSLSSPAVALSVLPLV
 GLLILLGIWLIKQKKSKEKLLYEQAMEVENLLEDHAKKGRHLKALKKLRSELKLRKRAANAGWRRARL
 HFVAVTLDPDTAHPKILISEDRCVRLGDRKRPVDPNPERFDVVSVLGSEYFTTGCHYWEVYVEKTKW
 ILGVCSESVSRKGVKTASPANGHWLVRQSRGNEYEALTSPTQSFRLKESPKCVGIFLDYEAGIISFYNYT
 DKSHIFTFTHSFSSPLRPFEPCLHDEGKNTAPLIICTELQKSEESI VPKQEGKDRANGDVSLKMNPSLL
 SPQGSSELFLNLTWPSNLGPALKGLKVPSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_013848

ORF Size: 1773 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 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).

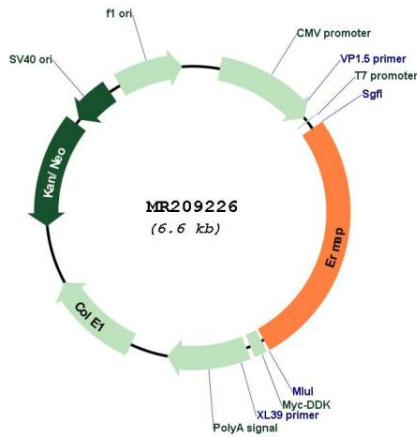
Reconstitution Method:

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_013848.2](#), [NP_038876.2](#)

RefSeq Size:	4573 bp
RefSeq ORF:	1779 bp
Locus ID:	27028
UniProt ID:	Q9JLN5
Cytogenetics:	4 55.34 cM
MW:	66.4 kDa
Gene Summary:	Possible role as a cell-adhesion or receptor molecule of erythroid cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209226