

## Product datasheet for **MG214467**

### Erich2 (NM\_025744) Mouse Tagged ORF Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Erich2
<b>Synonyms:</b>	4933404M02Rik
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:** >MG214467 representing NM\_025744  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGACACCGACCTCCAGTCACCCTGTCTCCGGCCTTCTCAAAGTAACCAGGATACGTGGTCAAGCCT  
 GCCCCAGGGTGTGCGCCCTAACTTGCCCGCAGCGCGACGCCAGTTCCTCCGGACGCTGGGCCACCCG  
 CGCCGCCCGCTCCGCCCTTCGCGTGGTCCAGCAGCTGGAACAGTTCGCCCTCCGCTCCCGCCCCGCGCT  
 CTGCGCCCCGCCCGGGCCCGCGCTCCGCCCGCTCGCCCCCTCCGCTGCGTCCGGCTGTCCAGTCCG  
 TGGGACAGTCGGGTGGTTCCTCCGGGGCTCCTCCCGCAGCCCGTCCGGTCTCCATGGCAACCGGGCTCCCA  
 GGCTCGCAACTCGAACCACCGCAGTGCAGGAGCGGGGCTGGCCTTCTGGTCTGCCCTTCGAGGAAAC  
 AACTTGGCAGGGCGCCAGAGGTAAGCAGCAGTGTGGTACTGTTGGTCTGTGGAACCGCAGCGCTGT  
 CGAAATACTGCCGAGAAGGACAAGAAGTCCAGCATTCCCTGGAGAACAGTTGAAGGAAACAGTTG  
 CTTAAGTCTTAGCCCTGAATTTGTATTCTGAAATCCAGCACTACCTGGACAAGACTGATGTGCGAG  
 GCATCAAAAAGCAGACAGAATGGCAGATTGCTATTGTATGATCCGAAGGAAAACTGATGAGCGCGCCCA  
 ATAAAGAAAAGTCACACAAAGCCCCCTTTGGACGCGAGCCGAGATTATCAAAACAAGCTTTATACTCTCC  
 AGCGCAGATCCCGGTGGAGCTAATGCATTCTCAGCAAAAAAGAGCCTCTTCAAAGAAGAGCGAAGAT  
 AAAGTCTCTTTAAAAGTATTGAAAACAGACCATCCTCAAGGAGTACTGAAAAAAAAGATGTCTTAAACA  
 ACCAGCAGTCCGGCTGTGGTCACTTCTTCTTCTAAAAGAAAGCGCAGGTGAAACAAGCAAGGATTTGGT  
 CCTTGCAAAGCAAGAGGAAATAGTACTATTGCCTTAAGGACATTGAAGAGAAGTGTGACTCGACA  
 GATGGTGTGGTGAAGAGGACAGCAGCAACGACGATGACGAAGGCCCCACTAAGAAGGCGACTCAAGCCC  
 CACTGGAGCTAATGGCAGAATCCTGAGAGCAGAAATGGCCGAGACTACCAGCTGGCAAAAAAATATG  
 TCAGATGATCCTAATCTATGAACCAGAAAATCCTGTGGCCAAGGAATTTTCTCACTTATTGAAGAGATA  
 TTGCTGAAGGAGAAAAGCTCAGGACGAGGAGGACGAAGAGGACAGTACGAGGACTCGAGCAGCGAGAGCC  
 AGGTGGACAGCAGTGAGGATGGCAGCGAGGACAGCTCGGACGAGTGCAGGATGGGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG214467 representing NM\_025744  
 Red=Cloning site Green=Tags(s)

MDTDLPVTLSPAFLKVTRIRGQACPRVCAPNLPRSATPSSSGRWATRAARSALRVVPAAGTVPAPLPPRA  
 LRPAPGPPRSAPLAPLRRVQSLGSSGSRGSSRSPSLHGNAASQARNSEPTASAERGWPSWALRGN  
 NLAGRPEGKQQCGDCWSCGTARLSKYCPRRTRSPSIPLNTLKETSCLSLSPFCIPEIPSNYLDKTDVQ  
 ASKSRQNGRLLLYDPKEKLMGANKKESHKAPFGRRPRLSNKLYTSPAQIPGGANAFSAKKEASSKKSSED  
 KVSFKSIENRPSRSTENKDVLTNQQSLWSSSFLKESAGETSKDLVLAQEGNSDYCLKDIEENLSDST  
 DGDGEEDSSNDDDEGPTKATQAPLELMAEFLRAEMGRDYQLAKKLCQMILYEPENPVAKEFFSLIEEI  
 LLKEKAQDEEEDSDEDSSESEVDSSEDSSEDSSEDECDGS

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_025744

**ORF Size:** 1389 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).

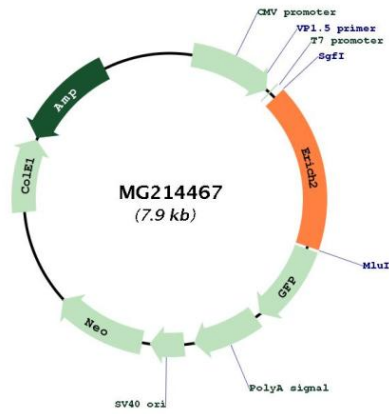
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_025744.2](#), [NP\\_080020.2](#)

RefSeq Size: 1749 bp  
 RefSeq ORF: 1392 bp  
 Locus ID: 66748  
 Cytogenetics: 2 C2

**Product images:**



Circular map for MG214467