

Product datasheet for **MC218801**

Erf (NM_010155) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Erf (NM_010155) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Erf
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218801 representing NM_010155
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGACCCCGCGGACACAGGGTTTGCCTTCCAGATTGGGCCTACAAACCGGAGTCATCCCCTGGCT
 CCAGGCAGATCCAGCTGTGGCACTTTATCCTGGAGCTGCTTCGGAAAGAGGAGTACCAGGGCGTCATCGC
 TTGGCAGGGGACTACGGGGAGTTTGTCAAGGACCCTGATGAAGTGCTCGCCTCTGGGGGTCGCG
 AAGTGCAAACCCAGATGAACTATGACAAGCTGAGCCGGGCTTTGCGCTATTATTACAACAAGCGCATT
 TACACAAGACCAAGGGGAAACGGTTACCTACAAGTTCAACTTCAACAACTGGTGTGGTCAATTACCC
 TTTTCATGATATGGGGTGGCTGGGGTGCAGTCCCCAAAGCGCCACCAGTGCCATCAGGCGGCAGC
 CATTTCGCTTCCCTCCCTCAACACCCTCTGAGGTGCTGTCCCCACTGAGGATCCCGATCTCCACCGG
 CTTGTTCTTCATCATCTTCTCTCTCTGCTGTGGTTGCCGACGCTGGGCCGAGGCTCAGTCAG
 TGAAGTGTAGTGACCTCAGAGCTGGAGGAGCCTCTGGGAGAGGACCCAGGGCAGCACCACCTGGC
 CCTCCGGAGCTGGGTGCCTTCGAGGGCCCCCTGGCCCGCCTCCCGATGACCCTGGTGTCTTCCGTG
 TCTATCTCGGCCCGGGTGGTCTGAACCCCTGAGTCCCTTCCCTGTGTACCTTTGGCTGGGCCTGG
 CTCCCTTCTACCCCTCAGCTCTCCCAGCTCTGCCATGACTCCCACCCACCTGGCCTACACACCTCA
 CCCACGCTGAGTCTATGTACCCAGTGGTGGTGGGGCCCTAGTGGCTCAGGGGAGGTTCCCACTTCT
 CCTTCAGTCTGAGGACATGAAACGGTACCTGCAGGCCACACCCAAAGCGTCTACAACCTACCACCTCAG
 TCCCGCGCCTTCTGCACTACCCAGGGCTGGTGGTGGCCAGCCTCAGCGCCTGACAAGTGCCCACTG
 CCGCCCATGGCACCGGAGACCCCGCGGTCCTCCTCAGCCTCGTCTTCTCTTCTCTTCTTCTTCTCC
 CGTTCAAGTTTAAGCTGCAGCACCCCGCTAGGACCGCGCAGCGGGCAGCTGGAGAGAAGGCTCTAGG
 AGGCACTGACAAGAGCAGTGGTGGCAGTGGCTCGGGTGGACTGGCTGAGGGGGCAGGTGCAGTAGCTCCC
 CCACCGCCACCACCCAGATTAAGGTGGAGCCATCTCAGAAGGAGAGTCGGAGGAGGTGGAGGTGACTG
 ACATCAGTGACGAAGATGAGGAAGATGGGGAGGTGTTCAAGACTCCCGTGCCCGCCTGCACCCCCAA
 GCCAGAGCCCGGAGAGGCACCGGGGTGGCCAGTGATGCCCTTAACTGCGCTTTAAGCGGCCTGG
 AGTGAAGACTGTCGCTGGAGGGGGCGGGTGCCTGTCTGGGGCCCTGAAGATGAGGGTGGAGACAAGA
 AGGTGCGTGGGGACGTGGGCCCTGGGGAGTCTGGGGACCCCTTACCCACGACGGGTGAGCTTGACCT
 CCAGCACGCCACGCCAACTCTCCCTGGAGCACCGAGATTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_010155
- Insert Size:** 1656 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_010155.3](#), [NP_034285.3](#)

RefSeq Size: 3503 bp

RefSeq ORF: 1656 bp

Locus ID: 13875

UniProt ID: [P70459](#)

Cytogenetics: 7 13.73 cM

Gene Summary: Potent transcriptional repressor that binds to the H1 element of the Ets2 promoter. May regulate other genes involved in cellular proliferation (By similarity). Required for extraembryonic ectoderm differentiation, ectoplacental cone cavity closure, and chorioallantoic attachment. May be important for regulating trophoblast stem cell differentiation.[UniProtKB/Swiss-Prot Function]