

Product datasheet for **MG208747**

Erf (NM_010155) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Erf (NM_010155) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Erf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG208747 representing NM_010155
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGACCCCGCGGACACAGGGTTTGCCTTCCAGATTGGGCCTACAAACCGGAGTCATCCCCTGGCT
 CCAGGCAGATCCAGCTGTGGCACTTTATCCTGGAGCTGCTTCGAAAGAGGAGTACCAGGGCGTCATCGC
 TTGGCAGGGGACTACGGGGAGTTTGTCAATCAAGGACCCTGATGAAGTGGCTCGCCTCTGGGGGTCGCG
 AAGTGCAAACCCAGATGAACTATGACAAGCTGAGCCGGGCTTTGCGCTATTATTACAACAAGCGCATT
 TACACAAGACCAAGGGGAAACGGTTACCTACAAGTTCAACTTCAACAACTGGTGTGGTCAATTACCC
 TTTTCATGATATGGGGTGGCTGGGGTGCAGTCCCCAAAGCGCCACCAGTGCATCAGGCGGCAGC
 CATTTCGCTTCCCTCCCTCAACACCCTCTGAGGTGCTGTCCCCACTGAGGATCCCGATCTCCACCGG
 CTTGTTCTTCATCATCTTCTCTCTCTGCTGTGGTTGCCCGACGCTGGGCGGAGGCTCAGTCAG
 TGACTGTAGTGTGGCACCTCAGAGCTGGAGGAGCCTCTGGGAGAGGACCCAGGGCAGCACCACCTGGC
 CCTCCGGAGCTGGGTGCCTTCGAGGGCCCCCTGGCCCCGCTCCCGCATGACCCTGGTGTCTTCCGTG
 TCTATCTCGGCCCGGGTGGTCTGAACCCCTGAGTCCCTTCCCTGTGTACCTTTGGCTGGGCCTGG
 CTCCCTTCTACCCCTCAGCTCTCCCAGCTCTGCCATGACTCCCACCCACCTGGCCTACACACCTCA
 CCCACGCTGAGTCTATGTACCCAGTGGTGGTGGGGCCCTAGTGGCTCAGGGGGAGGTTCCCCTTCT
 CCTTCAGTCTGAGGACATGAAACGGTACCTGCAGGCCACACCCAAAGCGTCTACAACCTACCACCTCAG
 TCCCCGCGCTTCTGCACTACCCAGGGCTGGTGGTGGCCAGCCTCAGCGCCCTGACAAGTGCCCACTG
 CCGCCATGGCACCGGAGACCCCGCGGTCCTCCTCAGCCTCGTCTTCTCTTCTCTTCTTCTTCTTCTTCT
 CGTTCAAGTTTAAAGCTGCAGCACCCCGCTAGGACGCCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGG
 AGGCACTGACAAGAGCAGTGGTGGCAGTGGCTCGGGTGGACTGGCTGAGGGGGCAGGTGCAGTAGCTCCC
 CCACCGCCACCACCCAGATTAAGGTGGAGCCATCTCAGAAGGAGAGTGGAGGAGGAGGAGGAGGAGT
 ACATCAGTGACGAAGATGAGGAAGATGGGAGGTTTCAAGACTCCCCGTGCCCGCCTGCACCCCCAA
 GCCAGAGCCCGGAGAGGCACCGGGGTGGCCAGTGCATGCCCTTAACTGCGCTTTAAGCGGCGCTGG
 AGTGAAGACTGTCGCTGGAGGGGGGGGGTGCCTGTCTGGGGCCCTGAAGATGAGGGTGGAGACAAGA
 AGGTGCGTGGGGACGTGGGCCCTGGGGAGTCTGGGGACCCCTTACCCACGACGGGTGAGCTCTGACCT
 CCAGCACGCCACGCCAACTCTCCTGGAGCACCGAGATTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208747 representing NM_010155
 Red=Cloning site Green=Tags(s)

MKTPADTGFAFPDWAYKPESSPGSRQIQLWHFIELELLRKEEYQGVIWQGDYGEFVIKDPDEVARLWVGR
 KCKPQMNYDKLSRALRYYYNKRILHKTGKRFTYKFNFNKLVVNYPFIDMGLAGGAVPQSAPPVPSGGS
 HFRFPSTPSEVLSPTEDPRSPACSSSSSLFSAVVARRLRGVSVSDSDGTSELEEPLGEDPRARPPG
 PPELGAFRGPPLARLPHDPGVFRVYPRRGGPEPLSPFPVSPLAGPGSLLPPQLSPALPMTPTHLAYTSP
 PTLSPMYPSSGGGSPSGGGGSHFSFSPEDMKRYLQAHTQSVYNYHLSPRAFLHYPGLVVPQQRPKCPL
 PPMAPETPPVSSASSSSSSSPFKFLQPPPLGRRQRAAGEKALGGTDKSSGSGSGGLAEGAGAVAP
 PPPPPQIKVEPISEGESEEEVETDISDEDEEDGEVFKTPRAPPAPPKPEPGEAPGVAQCMLKLRFKRRW
 SEDCRLEGGGCLSGGPEDEGEDKKVRGDVGPESGGPLTPRRVSSDLQHATAQLSLEHRDS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_010155

ORF Size: 1653 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_010155.3](#), [NP_034285.3](#)

RefSeq Size: 3503 bp

RefSeq ORF: 1656 bp

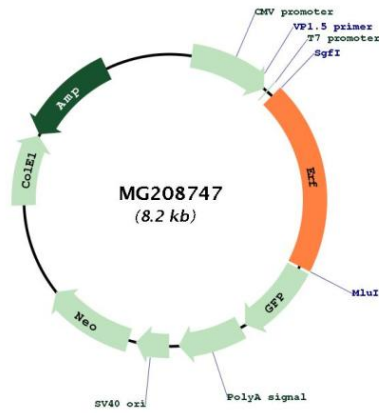
Locus ID: 13875

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]

Product images:



Circular map for MG208747