

Product datasheet for MC212800

Erfe (NM_173395) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Erfe (NM_173395) Mouse Untagged Clone
Tag: Tag Free
Symbol: Erfe
Synonyms: 4832406C22; Fam132b; myonectin
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC212800 representing NM_173395
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCGACCCGCGCCCGTCGGAGCTCGCACGCTGCTCGCCTGCGCCAGCCTACTCGCCGCCATGG
 GCCTCGGTGTCCCTGAGTCCGCGGAGCCCGTGGGACTCATGCACGCCCGCAGCCGCCGGGGCCGAGCT
 GCCCGCCCGCCAGCCAACAGCCCGCCGGAACCCACCATTCGCGCATGCACACAGTGTGGATCCCCGGAT
 GCTTGGATGCTGTTCTGCAAGCAGAGTGACAAGGGGATCAACAGTAAGAGGAGGAGCAAAGCCAGGAGGC
 TGAAGCTTGGCCTGCCAGGACCCCGAGGCCACAGGTCCTCAGGGCCCCCAGGCCCTTTATCCCATC
 TGAGGTTCTGCTGAAGGAGTTCAGCTGTTGCTGAAAGGCGCAGTACGGCAGCGAGAGGCCATCTGGAG
 CACTGCACCAGGGATCTCACTACACCAGCCTCGGGTAGCCCTTCCCGTGTCCAGCCGCCAGGAGCTTG
 ATAGCCAGGACCCAGGGCATTGTTAGCTCTGCTGGCTGCGACCTTGGCCAGGGCCCGCGGGCACCACG
 TGTGGAGGCCGATTCCACTGTCGCTTGCGCCGGATGTGCAGGTGGATCGGCGTGCCTTGACAGGCTT
 GGGATCTACTACCTGCCGAAGTTGAGGGAGCCTTCCACCGGGGCCAGGCTTGAATCTGACCAGCGGCC
 AGTACACCGCACCTGTGGCTGGCTTCTATGCGCTTGTGCCACTCTGCACGTGGCACTCACCGAGCAGCC
 AAGAAAGGGACCAACACGACCCCGGGATCGTCTGCGCTGCTGATCTGCATCCAGTCTCTCTGCCAGCAC
 AATGCCCTCCCTGGAGACTGTGATGGGGCTGGAGAACAGCAGCGAGCTCTCACCATCTCAGTAAATGGTG
 TCCTCTATCTACAGGCAGGACACTACACTTCTGTCTTCTTGGACAATGCCAGCGGCTCCTCCCTCACGGT
 ACGCAGTGGCTCTCACTTCAAGTGTATCTCTCTGGGCCT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2367_c10.zip



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_173395
Insert Size:	1023 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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:	BC056923 , AAH56923
RefSeq Size:	2835 bp
RefSeq ORF:	1023 bp
Locus ID:	227358
UniProt ID:	Q6PGN1
Cytogenetics:	1 D
Gene Summary:	<p>Iron-regulatory hormone that acts as an erythroid regulator after hemorrhage: produced by erythroblasts following blood loss and mediates suppression of hepcidin (HAMP) expression in the liver, thereby promoting increased iron absorption and mobilization from stores (PubMed:24880340). Promotes lipid uptake into adipocytes and hepatocytes via transcriptional up-regulation of genes involved in fatty acid uptake (PubMed:22351773). [UniProtKB/Swiss-Prot Function]</p>