

Product datasheet for **MC216090**

Errfi1 (NM_133753) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Errfi1 (NM_133753) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Errfi1
Synonyms:	1300002F13Rik; AI788755; Mig-6; Mig6; RALT
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216090 representing NM_133753
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAACAGCAGGAGTTGCTGCTCAGGATATTCGAGTCCATTAATAACTGGATTTCTCCATAATGGTC
 AGGCCTTGGGGAATATGAAGTCCTGCTGGGGCAGTCACAGTGAGTTTGAAAATAACTTTTTAAATATTGA
 TCCAATAACCATGGCCTACAATCTGAACCTCCCCTGCTCAGGAGCACCTAACAACTGTTGGATGTGCTGCT
 CGGTCTGCTCCAGGGAGCGGCCACTTCTTTGCAGAGTGTGGTCCATCTCCAAGGTCAAGCTTGCCCCCTC
 TTGTTATCTACCAAGTAAAGCTCGGGACAGCGTGAAGAGGATCAAGTTATGTGTGGTTTTAAGAACT
 CTCAGTGAATGGGTCTGCACTTCCACACTCCACTTACACCCATTAAGAGCTGCCCTTCCCCTTTCCCC
 TGTGCGGCTCTGTGTGATCGGGTTCTCGGCCGCTCCCGCCACTGCCATCTCTGAAGACCTATGTGTGG
 ATGAGGCCGACAGTGAGGTAGAGCTTCTAACCACCAGCTCAGACACAGACTTGCTTTTAGAAGACTGCG
 GCCTTCAGATTTCAAATACGATGCTCCTGGCAGCGCAGCTTCCGTGGGTGCGGCCAGATCAACTATGCA
 TATTTTGACAGCCAACCTGTTTCTGTGGCAGATCTTAGCTGTGCATCTGACCAGAACAGAGTTGTTCCAG
 ACCCAAACCTCCCCACCTCAAAGCCATCGCAGATTAAGGAGGTCTCACTCAGGACCAGCTGGGTCAAT
 TAACAAGCCAGCCATTCGGATATCTAGCTGCACACACAGAGCTTCTCCTAGCTCTGATGAAGACAAGCT
 GAGGTCCCTCCCAGGGTTCTATACCTCCTAGGCCAGCAAAGCCAGACTATAGACGGTGGTCAGCAGAAG
 TGACCTCCAACACCTACAGTGATGAAGTAGGCCTCCCAAAGTCCCCCGAGAGAACCTTTGTCTCGGAG
 TAACTCCCGTACCCCAAGTCTAAAAGCCTTCCGTCTTACCTCAATGGGGTCATGCCCAACACAGAGC
 TTCGCTCCTGACCCCAAGTATGTCAGCAGCAAAGCCCTGCAGAGACAGAGCAGCGAAGGATCTGCCAACA
 AGTTCTTGCATCTCTGCCATTATTGAAAATGGGAAGAAGGTTAGCTCAACGCATTATTACTTACTACC
 TGAGAGGCCACCGTACCTGGACAAATATGAAAAGTATTTTAAGGAAGCAGAAGAAAACAAACCCCAAGCACC
 CAAATTACGCCATTACCTGCTGCCTGTGGTATGGCCTCTGCCACAGAAAAGCTGGCCTCCAGAATGAAAA
 TAGATATGGGTAGCCACGGGAAGCGCAAACACTTATCCTACGTGGTTTCTCCAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_133753

Insert Size: 1386 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_133753.1](#), [NP_598514.1](#)

RefSeq Size: 3034 bp

RefSeq ORF: 1386 bp

Locus ID: 74155

UniProt ID: [Q99JZ7](#)

Cytogenetics: 4 E2

Gene Summary: Negative regulator of EGFR signaling in skin morphogenesis. Acts as a negative regulator for several EGFR family members, including ERBB2, ERBB3 and ERBB4. Inhibits EGFR catalytic activity by interfering with its dimerization. Inhibits autophosphorylation of EGFR, ERBB2 and ERBB4. Important for normal keratinocyte proliferation and differentiation. Plays a role in modulating the response to steroid hormones in the uterus. Required for normal response to progesterone in the uterus and for fertility. Mediates epithelial estrogen responses in the uterus by regulating ESR1 levels and activation. Important for regulation of endometrium cell proliferation. Important for normal prenatal and perinatal lung development.

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.