

Product datasheet for **RG206883**

ERRFI1 (NM_018948) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERRFI1 (NM_018948) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ERRFI1
Synonyms:	GENE-33; MIG-6; MIG6; RALT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206883 representing NM_018948
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCAATAGCAGGAGTTGCTGCTCAGGAGATCAGAGTCCCATTA AAAA ACTGGATTTCTACATAATGGCC
 GAGCCATGGGGAATATGAGGAAGACCTACTGGAGCAGTCGCAGTGAAGTTTAAAAACAACTTTTAAATAT
 TGACCCGATAACCATGGCCTACAGTCTGAACTCTTCTGCTCAGGAGCGCCTAATACCACTTGGGCATGCT
 TCCAAATCTGCTCCGATGAATGGCCACTGCTTTCAGAAAATGGTCCATCTCAAAGTCCAGCTTGCCCC
 CTCTTCTATTCCCAAGTAAAACTTGGGACCACATGAAGAGGATCAAGTTGTATGTGGTTTTAAGAA
 ACTCACAGTGAATGGGGTTTGTGCTTCCACCCCTCCACTGACACCATAAAAACTCCCCTTCCCTTTTC
 CCCTGTGCCCTCTTTGTGAACGGGTTCTAGGCCTCTCCACCGTTGCCAATCTCTGAAGCCCTCTCTC
 TGGATGACACAGACTGTGAGGTGAATTCTAACTAGCTCAGATACAGACTTCTTTTAGAAGACTCTAC
 ACTTTCTGATTTCAAATATGATGTTCTTGGCAGGCGAAGCTTCCGTGGGTGTGGACAAATCAACTATGCA
 TATTTTGATACCCAGCTGTTTCTGCAGCAGATCTCAGCTATGTGCTGACCAAAATGGAGGTGTCCAG
 ATCCAAATCCTCCTCCACCTCAGACCCACCGAAGATTAAGAAGGTCTCATTCCGGGACCAGCTGGCTCCTT
 TAACAAGCCAGCCATAAGGATATCCAAGTGTGTATACACAGAGCTTCTCCTAACTCCGATGAAGACAAA
 CCTGAGGTTCCCCCAGAGTTCCCATACCTCCTAGACCAGTAAAGCCAGATTATAGAAGATGGTCAGCAG
 AAGTTACTTCGAGCACCTATAGTGATGAAGACAGGCTCCCAAAGTACCGCAAGAGAACCTTTGTACC
 GAGTAAGTTCGCGCACACCGAGTCCAAAAGCCTTCCGTCTTACCTCAATGGGGTCATGCCCCGACACAG
 AGCTTTGCCCTGATCCCAAGTATGTCAGCAGCAAAGCACTGCAAAGACAGAAGCGAAGGATCTGCCA
 GTAAGGTTCTTGCATTCTGCCATTATTGAAAATGGGAAGAAGTTAGTTCAACACATTATTACCTACT
 ACCTGAACGACCACCATACCTGGACAAAATATGAAAAATTTTTTAGGGAAGCAGAAGAAACAATGGAGGC
 GCCCAAATCCAGCCATTACCTGCTGACTGCGGTATATCTTCAGCCACAGAAAAGCCAGACTCAAAAACAA
 AAATGGATCTGGGTGGCCACGTGAAGCGTAAACATTTATCCTATGTGGTTTCTCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG206883 representing NM_018948
 Red=Cloning site Green=Tags(s)

MSIAGVAAQEIRVPLKTGFLHNGRAMGNMRKTYWSSRSEFKNNFLNIDPITMAYSLNSSAQERLIPLGHA
 SKSAPMNGHCF AENGPSQKSSLPPLLIPSENLPHEEDQVVCGFKCLTVNGVCSTPPLTPIKNSPSLF
 PCAPLCERGSRPLPLPISEALSLDDTDCEVEFLTSSDTDFLLLEDSTLSDFKYDVPGRRSFRGCGQINYA
 YFDTPAVSAADLSYVSDQNGGVPDPNPPPPQTHRRLLRRSHSGPAGSFNKPAIRISNCCIHRASPNSEDEK
 PEVPPRPVIPP RPVKPDYRRWSAEVTSSTYSDEDRPPKVPVPPREPLSPNSRTPSPKSLPSYLNQVMPPTQ
 SFAPDPKYVSSKALQRQNSEGSASKVPCILPIIENGKVSSTHYLLPERPPYLDKYEKFFREAEETNGG
 AQIQPLPADCGISSATEKPDSTKMDLGGHVKRKHL SYVVSP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_018948

ORF Size: 1386 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_018948.4](#)

RefSeq Size: 3099 bp

RefSeq ORF: 1389 bp

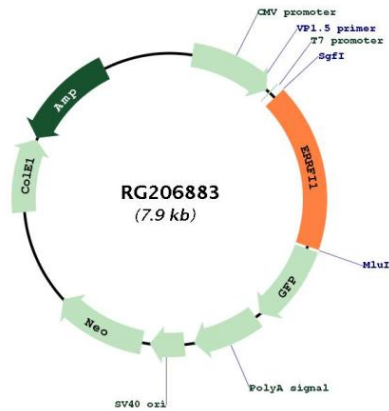
Locus ID: 54206

UniProt ID: [Q9UJM3](#)

Cytogenetics: 1p36.23

Gene Summary:

ERRFI1 is a cytoplasmic protein whose expression is upregulated with cell growth (Wick et al., 1995 [PubMed 7641805]). It shares significant homology with the protein product of rat gene-33, which is induced during cell stress and mediates cell signaling (Makkinje et al., 2000 [PubMed 10749885]; Fiorentino et al., 2000 [PubMed 11003669]).[supplied by OMIM, Mar 2008]

Product images:


Circular map for RG206883