

Product datasheet for **RC206883**

ERRFI1 (NM_018948) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERRFI1 (NM_018948) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ERRFI1
Synonyms:	GENE-33; MIG-6; MIG6; RALT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC206883 representing NM_018948
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGTCAATAGCAGGAGTTGCTGCTCAGGAGATCAGAGTCCCATTAAAACTGGATTCTACATAATGGCC
 GAGCCATGGGGAATATGAGGAAGACCTACTGGAGCAGTCGAGTGAGTTTAAAAACAACTTTTAAATAT
 TGACCCGATAACCATGGCCTACAGTCTGAACCTCTTCTGCTCAGGAGCGCCTAATACCACTTGGGCATGCT
 TCCAAATCTGCTCCGATGAATGGCCACTGCTTTCAGAAAATGGTCCATCTCAAAGTCCAGCTTGGCCC
 CTCTTCTTATTTCCCAAGTAAAACTTGGGACCACATGAAGAGGATCAAGTTGTATGTGGTTTTAGAA
 ACTCACAGTGAATGGGTTTGTGCTTCCACCCCTCCACTGACACCCATAAAAACTCCCCTTCCCTTTTC
 CCCTGTGCCCTCTTTGTGAACGGGTTCTAGGCCTCTTCCACCGTTGCCAATCTCTGAAGCCCTCTCTC
 TGGATGACACAGACTGTGAGGTGGAATTCCTAACTAGCTCAGATACAGACTTCCTTTTGAAGACTCTAC
 ACTTTCTGATTTCAAATATGATGTTCTTGGCAGCGAAGCTTCCGTGGGTGTGGACAAATCAACTATGCA
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 TAACAAGCCAGCCATAAGGATATCCAACGTGTGTATACACAGAGCTTCTCCTAACTCCGATGAAGACAAA
 CCTGAGGTTCCCCCAGAGTTCCCATACCTCCTAGACCAGTAAAGCCAGATTATAGAAGATGGTCAGCAG
 AAGTTACTTCGAGCACCTATAGTGATGAAGACAGGCCTCCCAAAGTACCGCCAAGAGAACCTTTGTCAAC
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 AGCTTTGCCCTGATCCCAAGTATGTGAGCAGCAAGCACTGCAAGACAGAACGCGAAGGATCTGCCA
 GTAAGGTTCTTGCATTCTGCCATTATTGAAAATGGGAAGAAGTTAGTTCAACACATTATTACCTACT
 ACCTGAACGACCACCATACCTGGACAAATATGAAAAATTTTTAGGGAAGCAGAAGAAACAAATGGAGGC
 GCCCAAATCCAGCCATTACCTGTGACTGCGGTATATCTTCAGCCACAGAAAAGCCAGACTCAAAAACAA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206883 representing NM_018948
 Red=Cloning site Green=Tags(s)

MSIAGVAAQEIRVPLKTGFLHNGRAMGNMRKTYWSSRSEFKNNFLNIDPITMAYSLNSSAQERLIPLGHA
 SKSAPMNGHCF AENGPSQKSSLPPLLIPPSENLGPHEEDQVVCGFKKLTVNGVCSTPPLTPIKNSPSLF
 PCAPLCERGSRLPPLPISEALSLDDTDCEVEFLTSSDTDFLLEDSTLSDFKYDVPGRRSFRGCGQINYA
 YFDTPAVSAADLSYVSDQNGGVPDPNPPPPQTHRRRLRRSHSGPAGSFNKP AIRISNCCIHRASPNSEDEK
 PEVPPRPVIPP RPVPKPDYRRWSAEVTSSTYSDEDRPPKVPPREPLSPSNSRTPSPKSLPSYLNQVMPPTQ
 SFAPDPKYVSSKALQRQNSEGSASKVPCILPIIENGKKVSSTHYLLPERPPYLDKYEKFFREAEETNGG
 AQIQPLPADCGISSATEKPDSTKMDLGGHVKRKHL SYVVSP

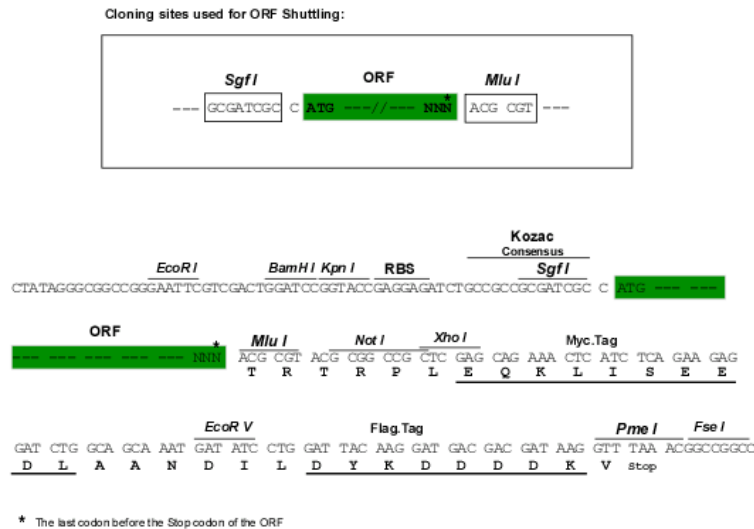
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg2588_h08.zip

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018948.4](#)

RefSeq Size: 3099 bp

RefSeq ORF: 1389 bp

Locus ID: 54206

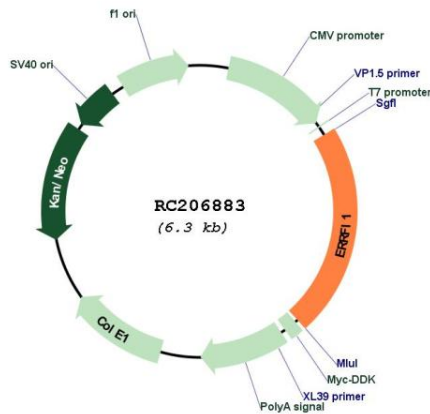
UniProt ID: [Q9UJM3](#)

Cytogenetics: 1p36.23

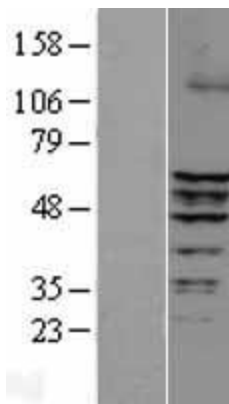
MW: 50.4 kDa

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 RC206883



Western blot validation of overexpression lysate (Cat# [LY402716]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206883 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).