

Product datasheet for **RC238432**

ERF (NM_001301035) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERF (NM_001301035) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ERF
Synonyms:	CHYTS; CRS4; PE-2; PE2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC238432 representing NM_001301035
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATTACGACAAGCTGAGCCGGCCCTGCGCTATTACTATAACAAGCGCATTCTGCACAAGACCAAGG
 GGAAACGGTTACCTACAAGTTCAATTTCAACAAACTGGTGCTGGTCAATTACCCATTATTGATGTGGG
 GTTGGCTGGGGGTGCAGTGCCCCAGAGTGCCCCGCCAGTGCCGTCGGGTGGTAGCCACTTCCGCTTCCCT
 CCCTCAACGCCCTCCGAGGTGCTGTCCCCACCGAGGACCCCGCTCACCACCAGCCTGCTTTCATCTT
 CATCTTCCCTCTTCTCGGCTGTGGTGGCCCGCCGCTGGGCCGAGGCTCAGTCAGTGACTGTAGTATGG
 CACGTGAGAGCTGGAGGAACCGTGGGAGAGGATCCCCGCGCCGACCACCCGGCCCTCCGGATCTGGGT
 GCCTTCCGAGGGCCCCGCTGGCCCGCTGCCCATGACCCTGGTGTCTTCCGAGTCTATCCCCGGCCTC
 GGGGTGGCCCTGAACCCCTCAGCCCCTTCCCTGTGTGCGCTCTGGCCGGTCTGGATCCCTGCTGCCCC
 TCAGCTCTCCCCGCTCTGCCCATGACGCCACCCACCTGGCCTACACTCCCTCGCCACGCTGAGCCCG
 ATGTACCCAGTGGTGGCGGGGGGCCAGCGGCTCAGGGGGAGGCTCCCACTTCTCTTACGCCCTGAGG
 ACATGAAACGGTACCTGCAGGCCACACCCAAAGCGTCTACAACCTACCACCTCAGCCCCCGCCTTCT
 GCACTACCCTGGGCTGGTGGTGCACCCAGCCGACCCGCTGACAAGTGCCCGCTGCCGCCATGGCACC
 GAGACCCACCGTCCCCTCTCGGCTCGTATCCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT
 TCCAGCCGCCCCACTCGGACGCCGGCAGCGGGCAGCTGGGGAGAAGGCCGTAGCCGGTGTGACAAGAG
 CGGTGGCAGTGCAGGCGGGCTGGCTGAGGGGCAGGGCGCTAGCCCCACCGCCCCGCCACCACAGATC
 AAGGTGGAGCCCATCTCGAAGGCGAGTCGGAGGAGGTAGAGGTGACTGACATCAGTGATGAGGATGAGG
 AAGACGGGGAGGTGTTCAAGACGCCCCGCTGCCACCTGCACCCCTAAGCCTGAGCCCGGGCAGGACCC
 CGGGCATCCCAGTGCATGCCCTCAAGCTACGCTTTAAGCGCGCTGGAGTGAAGACTGTGCGCTCGAA
 GGGGTGGGGGCCCGCTGGGGGCTTGGAGGATGAGGGTGGGACAAGAAGGTGCGTGGGGAGGGCCCTG
 GGGAGGCTGGGGGCCCTCACCCCAAGCGGGTGGGCTGACCTCCAGCATGCCACGGCCAGCTCTC
 CTGGAGCACCAGACTCC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGTTTAA

Protein Sequence:

>RC238432 representing NM_001301035
 Red=Cloning site Green=Tags(s)

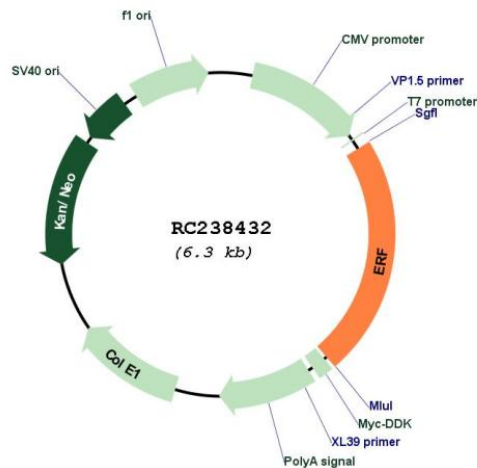
MNYDKLSRALRYYYNKRILHKTKGRFTYKFNFNKLVLVNYPFIDVGLAGGAVPQSAPPVPSGGSHFRFP
 PSTPSEVLSPTEDPSPACSSSSSLFSAVVARRLRGVSVDSDGTSELEEPLGEDPRARPPGPPDLG
 AFRGPPLARLPHDPGVFRVYPRPRGGPEPLSPFPVSPLAGPGSLLPQLSPALPMTPTHLAYTPSPTLSP
 MYPSSGGGSPSGGGSHFSFSPEDMKRYLQAHTQSVYNYHLSPRAFLHYPGLVVPQRPDKCPLPPMAP
 ETTPVPSASSSSSSSPFKFLQPPPLGRRQRAAGEKAVAGADKSGGSAGGLAEGAGALAPPPPPQI
 KVEPISEGESEEVETDISDEDEEDGEVFKTPRAPPAPPKPEPGEAPGASQCMPKLRFRKRRWSEDCRLE
 GGGGPAAGGFEDGEKVRGEGPGEAGGPLTPRRVSSDLQHATAQLSLEHRDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:

ACCN:

NM_001301035

ORF Size:

1419 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_001301035.1](#), [NP_001287964.1](#)

RefSeq Size: 2634 bp

RefSeq ORF: 1422 bp

Locus ID: 2077

UniProt ID: [P50548](#)

Cytogenetics: 19q13.2

Protein Families: Transcription Factors

MW: 50.4 kDa

Gene Summary: ETS2 is a transcription factor and protooncogene involved in development, apoptosis, and the regulation of telomerase. The protein encoded by this gene binds to the ETS2 promoter and is a strong repressor of ETS2 transcription. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Aug 2015]