

Product datasheet for **RG204468**

ERF (NM_006494) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERF (NM_006494) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ERF
Synonyms:	CHYTS; CRS4; PE-2; PE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG204468 representing NM_006494
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATAGAACACCCCGGCGGACACAGGTTTGCCTTCCCGGATTGGCCCTACAAGCCAGAGTCGTCCCTGGCT
CAAGGCAGATCCAGCTGTGGCACTTTATCCTGGAGCTGCTGCGGAAGGAGGAGTACCAGGGCGTCATTGC
CTGGCAGGGGGACTACGGGAATTTCGCATCAAAGACCTGATGAGGTGGCCCGCTGTGGGGCGTTTCGC
AAGTGAAGCCCCAGATGAATTACGACAAGCTGAGCCGGGCCCTGCGCTATTACTATAACAAGCGCATTC
TGCACAAGACCAAGGGGAAACGGTTCACCTACAAGTTCAATTTCAACAACTGGTGCTGGTCAATTACCC
ATTCATTGATGTGGGGTTGGCTGGGGGTGCAGTGCCCCAGAGTGCCCCGCCAGTGCCGTGCGGTGGTAGC
CACTTCCGCTTCCCTCCCTCAACGCCCTCCGAGGTGCTGTCCCCACCGAGGACCCCCGCTACCAACAG
CCTGCTCTTCATCTTCATCTTCCCTCTTCTCGGTGTGGTGCCCGCCGCTGGGCCGAGGCTCAGTCAG
TGACTGTAGTGATGGCAGCTCAGAGCTGGAGGAACCGCTGGGAGAGGATCCCCGCGCCGACCAACCGGC
CCTCCGATCTGGGTGCCTTCGAGGGCCCCGCTGGCCCGCTGCCCCATGACCTGGTGTCTTCGAG
TCTATCCCCGGCTCGGGGTGGCCCTGAACCCCTCAGCCCTTCCCTGTGTCGCTCTGGCCGGTCCCTGG
ATCCCTGCTGCCCCCTCAGCTCTCCCCGGCTCTGCCCATGACGCCACCCACCTGGCTTAACTCCCTCG
CCCACGCTGAGCCCGATGTACCCAGTGGTGGCGGGGGGCCAGCGGCTCAGGGGGAGGCTCCCACTTCT
CCTTCAGCCCTGAGGACATGAAACGGTACCTGCAGGCCACACCCAAAGCGTCTACAACCTACCACCTCAG
CCCCCGCGCTTCTGCACTACCCTGGGCTGGTGGTGCCCCAGCCCCAGCGCCCTGACAAGTGCCCGCTG
CCGCCATGGCACCCGAGACCCACCGGTCCCCCTCTCGGCCTCGTCATCTCTTCTTCTTCTCTCTCCC
CATTCAGTTTAAAGCTCCAGCCGCCCCCACTCGACGCCGGCAGCGGCAGCTGGGGAGAAGGCCGTAGC
CGTGCTGACAAGAGCGGTGGCAGTGCAGGCGGGCTGGCTGAGGGGGCAGGGGCGCTAGCCCCACCGCCC
CCGCCACCACAGATCAAGGTGGAGCCCATCTCGAAGGCGAGTCGGAGGAGGTAGAGGTGACTGACATCA
GTGATGAGGATGAGGAAGACGGGGAGGTGTTCAAGACGCCCCGTGCCCCACCTGCACCCCCTAAGCCTGA
GCCCGGCAGGCACCCGGGGCATCCAGTGCATGCCCTCAAGTACGCTTTAAGCGGCGCTGGAGTGAA
GACTGTGCCTCGAAGGGGTGGGGCCCCGCTGGGGCTTTGAGGATGAGGGTGAGGACAAGAAGGTGC
GTGGGAGAGGGCTGGGGAGGCTGGGGGGCCCCCTACCCCAAGGCGGGTGAGCTCTGACCTCCAGCATGC
CACGGCCAGCTCTCCCTGGAGACCGAGACTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG204468 representing NM_006494
Red=Cloning site Green=Tags(s)

MKTPADTGFAFPDWAYKPESSPSGRQIQLWHF ILELLRKEEYQGVIAWQGDYGEFVIKDPDEVARLWGV
 KCKPQMNYDKL SRALRYYNKRILHKTGKRFTYKFNFNKLVLVNPYFIDVGLAGGAVPQSAPPVPSGGS
 HFRFPSTPSEVLSPTEPRSPACSSSSSLFSAVVARRLGRGSVSDCSGDTSELEEPLGEDPRARPPG
 PPDLAGFRGPPLARLPHDPGVFRVYPRPRGGPELSPFPVSPLAGPSLLPPQLSPALPMTPTHLAYTPS
 PTLSPMYPSSGGGSGSGGGSHFSPEDMKRYLQAHTQSVYNYHLSPRAFLHYPLVVPQPQRPDKCPL
 PPMAPETPPVPSSASSSSSSSSPFKFKLQPPPLGRRQRAAGEKAVAGADKSGGSAGGLAEGAGALAPP
 PPPQIKVEPISEGESEEEVETDISDEDEEDGEVFKTPRAPPAKPEPGEAPGASQCMPLKLRFKRRWSE
 DCRLEGGGGPAGGFEDEGEDKKVRGEGPGEAGGPLTPRRVSSDLOHATAQLSLEHRDS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006494

ORF Size: 1644 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_006494.4](#)

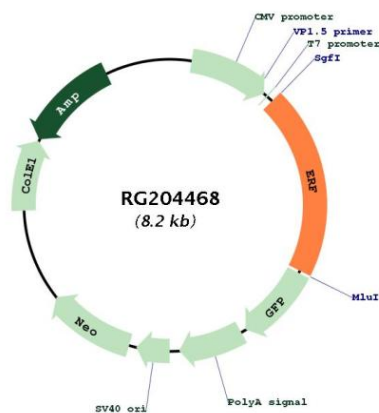
RefSeq Size: 2667 bp

RefSeq ORF: 1647 bp

Locus ID: 2077

UniProt ID:	P50548
Cytogenetics:	19q13.2
Protein Families:	Transcription Factors
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]

Product images:



Circular map for RG204468