

Product datasheet for **SC125951**

ERF (NM_006494) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERF (NM_006494) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERF
Synonyms:	CHYTS; CRS4; PE-2; PE2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_006494 edited
GAGGCGGCGAGGGCGGCCGACGGGCGCGGGACGGGACGGGGCAGCGAGGGCGCCGGGAG
CCGCGGCCCGGAATCGGGGCGCTTCGCCCGGGGCCCCAGCATGAAGACCCCGGCGGAC
ACAGGGTTTGCCTTCCCGATTGGGCTACAAGCCAGAGTCGTCCCTGGCTCAAGGCAG
ATCCAGCTGTGGCACTTATCCTGGAGCTGCTGCGGAAGGAGGAGTACCAGGGCGTCATT
GCCTGGCAGGGGACTACGGGGAATTCGTATCAAAGACCCTGATGAGGTGGCCCGGCTG
TGGGGCTTCGCAAGTGCAAGCCCAAGATGAATTACGACAAGCTGAGCCGGGCCCTGCGC
TATTACTATAACAAGCGCATTCTGCACAAGACCAAGGGGAAACGGTTACCTACAAGTTC
AATTTCAACAACTGGTCTGGTCAATTACCCATTATTGATGTGGGGTTGGCTGGGGGT
GCAGTGCCCCAGAGTGCCCCGCCAGTGCCGTGGGTGGTAGCCACTTCCGCTTCCCTCCC
TCAACGCCCTCCGAGGTGCTGTCCCCACCGAGGACCCCGCTCACACCAGCCTGCTCT
TCATCTTCATCTTCCCTTCTCGGCTGTGGTGGCCCGCCGCTGGGCCGAGGCTCAGTC
AGTGACTGTAGTATGGCAGCTCAGAGCTGGAGGAACCGCTGGGAGAGGATCCCCGCGC
CGACCACCCGGCCCTCCGATCTGGGTGCCTTCCGAGGGCCCCGCTGGCCCGCTGCC
CATGACCTGGTGTCTTCCGAGTCTATCCCCGGCTCGGGGTGGCCCTGAACCCCTCAGC
CCCTTCCCTGTGTGCGCTTGGCCGGTCCCTGGATCCCTGTGCCCTCAGCTCTCCCCG
GCTCTGCCATGACGCCACCCACCTGGCTACACTCCCTCGCCACGCTGAGCCCGATG
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CCTGAGGACATGAAACGGTACCTGCAGGCCACACCCAAAGCGTCTACAACCTACCACCTC
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AAGTGGCCGCTGCCGCCATGGCACCCGAGACCCACCGGTCCCTCCTCGGCCCTGTCA
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CGGACGCGGCGAGCTGGGAGAGGCGGTAGCCGGTGTGACAAGAGCGGTGGCAGTGCA
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GAGGGTGAGGACAAGAAGGTGCGTGGGGAGGGCCTGGGGAGGCTGGGGGGCCCTCACC
CCAAGGGGGTGAGCTCTGACCTCCAGCATGCCACGGCCAGCTCTCCCTGGAGCACCGA
GACTCCTGAGGGCTGTGGGCAGGGGACCTGTGTGCCCGCACCCCATGCTTCTTTTGC
TGCTTAAGCCCTATGCCCTGGAGGTGAGGGCAGCTCTTGTCTCTTCCCTGCCTCC
TCCTTTTCCCTCCCAATTTGTATAAACTTTAATTTCTTTTTTTTAAAAATGGTGG
GGGTGGGTGGGTGCCAGGGCTAGGGGCTATCCCTGTCTCTGTGGGTTTCTAAGCTCTG
GGCAAAGTGGTGGTAGGGGGAGGGAGGGGAAGTTAAGGGGTACCTCCATTCTGGGGA
ATTTATATTTGAATTGAGGCTTTGGCCTTAACACCCAGGAACCTTTCTATTACAATCGCT
TAGGAAGTAAAGCCTTGTCTCCCTCCCTGTTCTCTGCCTTTGTACCCCTCTGACCCACC
CGCTCTGCCCCACTCCCAGCCCTCCTCAGCCCCAGCCCTGCCCTGCCCTCCCTCCAGGG
GGCCATGAGTGCCTAGGTTTCTCATACCCACAAGTACACAGAGGGGAGGGAGGGACAA
TTTTATAATGAACCAAAAATCCATGTGTGGGGGTGGGGGCGGAGGAGGGTGAAGGG
TGCCGCCCATGGGCCACAATCTCTACAAGTGCCTGCTATCCCTCTCCACTCCCAACCC
CAGCACCGGTCCAACCCCTTATCCCCAGCTGCTCCTAGGACTGGCCATGGGCAGGCGG
GTGGGGGATGGGAAGGGGTGCCCTGAAACAACTGGAAGCCCTCTGCCTCCACG
TGGGGCTCTGGGGTGGGGTGGGGGCTGTGGTCAAGCCTATTCTGTATTGGGGACTGA
GGGTGGGGGAGTAGAGGGGCGCTGGAGAATGTATTCAAACAATAAACTTTGGACCT
TTAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006494 unedited AGGTTCTGATTTGTATACGACTCATATAGGCGGCCGTAATCAAATCTGGTACCGGTCC GGAATTCCTGGGATATCGTCGACCCACGCGTCCGGAGGCGGCGAGGGCGGCCGACGGGC GCGGGACGGGACGGGACGCGAGGGCGCCGGGAGCCGCGGCCGGAATCGGGGCGTTCCG CCCCGGGCCCCCAGCATGAAGACCCCGCGGACACAGGGTTTGCCTTCCCGATTGGGC CTACAAGCCAGAGTCGTCCCCTGGCTCAAGGCAGATCCAGCTGTGGCACTTTATCCTGGA GCTGCTGCGGAAGGAGGAGTACCAGGGCGTCATTGCCTGGCAGGGGGACTACGGGGAATT CGTCATCAAAGACCTGATGAGGTGGCCCGCTGTGGGGCGTTGCAAGTGAAGCCCCA GATGAATTACGACAAGCTGAGCCGGGCCCTGCGCTATTACTATAACAAGCGCATTCTGCA CAAGACCAAGGGGAAACGGTTACCTACAAGTTCAATTTCAACAACTGGTGCTGGTCAA TTACCCATTATTGATGTGGGTTGGCTGGGGTGCAGTGCCCCAGAGTGCCCCGCCAGT GCCGTCGGNTGGTAGCCACTTCCGCTTCCCTCCCTCAACGCCCTCCGAGGTGCTGTCCC CACCGAGGACCCCGCTCACCACCAGCCTGCTTTCATCTTCATCTTCTTCTTCTCGGC TGTGGTGGGCCCCCGCTGGGCCGAGGCTCACTCCTTGACTGTAGTGATGGCCCTCAA ACTGGAGGAACCCTGGGAGAGGATCCCGGGGCCGAACCCCGGGCTCCGGATCTGGGT GGCCTTCGAAGGCCCCCGTGGGCCCCCGGCCAAGACCTGGGTCCTTTCGAGTATTA CCCGGCCCGGGTGGCT
Restriction Sites:	Please inquire
ACCN:	NM_006494
Insert Size:	2800 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:	<ol style="list-style-type: none"> 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:	<u>NM_006494.1</u> , <u>NP_006485.1</u>
RefSeq Size:	2667 bp
RefSeq ORF:	1647 bp
Locus ID:	2077
UniProt ID:	<u>P50548</u>
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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).