

## Product datasheet for **RG227466**

### ETS1 (NM\_001143820) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ETS1 (NM_001143820) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ETS1
Synonyms:	c-ets-1; ETS-1; EWSR2; p54
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG227466 representing NM\_001143820  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCTACTTTGTGATTCTGCTGGGAGCAGCCCGTCCCTTACTCAGCGCCTCGTCTGCAGTGGTGA  
 GGCAAGGACCTAGCAACCTTATGAAGATCCTCGAATGAACTGTGGTTTCCAGTCCAATTATCACCAGCA  
 AAGACCTTGCTACCCCTTTGGGATGAGATGGCAACTCAGGAAGTTCTACTGGTCTTGAACACTGTGTC  
 TCAGATATGGAATGTGCAGATGTCCACTATTAAGTCCAAGCAGCAAAGAAATGATGTCTCAAGCATTAA  
 AAGCTACTTTTCAGTGGTTTCACTAAAGAACAGCAACGACTGGGGATCCCAAAAGACCCCCGGCAGTGGAC  
 AGAAACCCATGTTCCGGACTGGGTGATGTGGGCTGTGAATGAATTCAGCCTGAAAGGTGTAGACTCCAG  
 AAGTTCTGTATGAATGGAGCAGCCCTCTGCGCCCTGGTAAAGACTGCTTCTCGAGCTGGCCCCAGACT  
 TTGTTGGGACATCTTATGGGAACATCTAGAGATCCTGCAGAAAGAGGATGTGAAACCATATCAAGTTAA  
 TGGAGTCAACCCAGCCTATCCAGAATCCCGCTATACCTCGGATTACTTCATTAGCTATGGTATTGAGCAT  
 GCCCAGTGTGTTCCACCATCGGAGTTCTCAGAGCCCAGCTTCATCACAGAGTCCATCAGACGCTCCATC  
 CCATCAGCTCGGAAGAGCTCCTCTCCCTCAAGTATGAGAATGACTACCCCTCGGTCAATTCTCCGAGACCC  
 TCTCCAGACAGACACCTTGCAGAATGACTACTTTGCTATCAAACAAGAAGTCGTCAACCCAGACAACATG  
 TGCATGGGGAGGACCAGTCGTGGTAAACTCGGGGGCCAGGACTCTTTGAAAGCATAGAGAGCTACGATA  
 GTTGTGATCGCCTCACCCAGTCTGGAGCAGCCAGTCACTTTCAACAGCCTGCAGCGTGTTCCTCCTA  
 TGACAGCTTCGACTCAGAGGACTATCCGGCTGCCCTGCCAACCAAGCCCAAGGGCACCTTCAAGGAC  
 TATGTCCGGGACCGTGTGACCTCAATAAGGACAAGCCTGTATTCTCTGCTGCTGCCCTAGCTGGCTACA  
 CAGGCAGTGGACCAATCCAGCTATGGCAGTTTCTTGGAACTACTCACTGATAAATCCTGTCAGTCTTT  
 TATCAGCTGGACAGGAGATGGCTGGGAATTCAAACTTTCTGACCCAGATGAGGTGGCCAGGAGATGGGGA  
 AAGAGGAAAAACAACTAAGATGAATTATGAGAACTGAGCCGTGGCCTACGCTACTATTACGACAAAA  
 ACATCATCCACAAGACAGCGGGAAACGCTACGTGTACCGCTTTGTGTGACCTGCAGAGCCTGCTGGG  
 GTACACCCCTGAGGAGCTGCACGCCATGCTGGACGTCAAGCCAGATGCCGACGAG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG227466 representing NM\_001143820  
 Red=Cloning site Green=Tags(s)

MSYFVDSAGSSPVPSAPRPAVVRQGPSNTYEDPRMNCGFQSNYHQRPCYPFWDEMATQEVPTGLEHCV  
 SDMECADVPLLTPSSKEMMSQALKATFSGFTKEQQRLGIPKDPRQWTEHVRDWMWAVNEFSLKGVDFQ  
 KFCMNGAALCALGKDCFLELAPDFVGDILWEHLEILQKEDVKPYQVNGVNPAYPESRYTSDYFISYGIEH  
 AQCVPVSEFSEPSFITESYQTLHPISSSELLSLKYENDYPSVILRDPLQDTLQNDYFAIKQEVVTPDNM  
 CMGRYSRGLGGQDSFESIESYDSCDRLTQSWSSQSSFNLSLQRVPSYDSFDSYPAALPNHKPKGTFFD  
 YVRDRADLNKDKPVIPAAALAGYTGSGPIQLWQFLLELLTDKSCQSFISWTGDGWEFKLSDPDEVARRWG  
 KRKNPKMNYEKL SRGLRYYDKNIHKTAGKRYVYRFVCDLQSLGTYPEELHAML DVKPDAD E

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001143820

**ORF Size:** 1455 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\\_001143820.2](#)

**RefSeq Size:** 5143 bp

**RefSeq ORF:** 1458 bp

**Locus ID:** 2113

**UniProt ID:** [P14921](#)

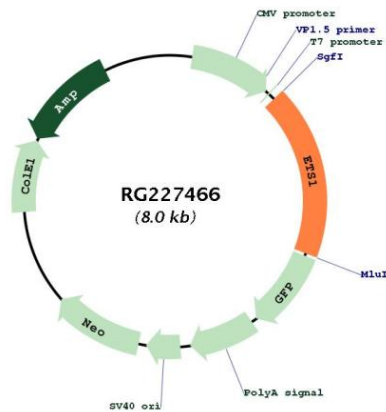
**Cytogenetics:** 11q24.3

**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Dorso-ventral axis formation, Pathways in cancer, Renal cell carcinoma

**Gene Summary:** This gene encodes a member of the ETS family of transcription factors, which are defined by the presence of a conserved ETS DNA-binding domain that recognizes the core consensus DNA sequence GGAA/T in target genes. These proteins function either as transcriptional activators or repressors of numerous genes, and are involved in stem cell development, cell senescence and death, and tumorigenesis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 2011]

**Product images:**



Circular map for RG227466