

Product datasheet for **RG207377**

ETS2 (NM_005239) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ETS2 (NM_005239) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ETS2
Synonyms:	ETS2IT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207377 representing NM_005239
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGATTTTCGAATCAAGAATATGGACCAGGTAGCCCTGTGGCTAACAGTTACAGAGGGACTCA
 AGCGCCAGCCAGCCTTTGACACCTTTGATGGGTCCTGTTTGTCTTTTTCTTCTCTAAATGAAGAGCA
 AACACTGCAAGAAGTGCCAACAGGCTTGGATTCCATTTCTCATGACTCCGCCAACTGTGAATTGCCTTTG
 TTAACCCCGTGCAGCAAGGCTGTGATGAGTCAAGCCTTAAAAGCTACCTTCAGTGGCTTCAAAAAGGAAC
 AGCGGGCGCTGGGCATTCCAAAGAACCCCTGGCTGTGGAGTGAGCAACAGGTATGCCAGTGGCTTCTCTG
 GGCCACCAATGAGTTCAGTCTGGTGAACGTGAATCTGCAGAGGTCGGCATGAATGGCCAGATGCTGTGT
 AACCTTGGCAAGGAACGCTTTCTGGAGCTGGCACCTGACTTTGTGGGTGACATTCTCTGGGAACATCTGG
 AGCAAATGATCAAAGAAAACCAAGAAAAGACAGAAGATCAATATGAAGAAAATTCACACCTCACCTCCGT
 TCCTCATTGGATTAACAGCAATACATTAGTTTTGGCACAGAGCAGGCGCCCTATGGAATGCAGACACAG
 AATTACCCCAAAGCGGCCCTCCTGGACAGCATGTGTCCGGCTCCACACCCAGCGTACTCAGCTCTGAGC
 AGGAGTTTCAGATGTTCCCAAGTCTCGGCTCAGCTCCGTCAGCGTCACCTACTGCTCTGTGAGTACGGA
 CTTCCAGGCAGCAACTTGAATTTGCTCACCAACAATTCTGGGACGCCAAAGACCACGACTCCCCTGAG
 AACGGTGGGACAGCTTCGAGAGCTCAGACTCCCTCCTCCAGTCTGGAACAGCCAGTCTGCTTGTCTGG
 ATGTGCAACGGGTTCTTCTTTCGAGAGCTTGAAGATGACTGCAGCCAGTCTCTCTGCCTCAATAAGCC
 AACCATGTCTTTCAAGGATTACATCCAAGAGAGGAGTGACCCGGTGGAGCAAGGCAAACAGTTATACCT
 GCAGCTGTGCTGGCCGGCTTACAGGAAGTGGACCTATTCAGCTGTGGCAGTTTCTCTGGAGCTGCTAT
 CAGACAAATCCTGCCAGTCATTCATCAGCTGGACTGGAGACGGATGGGAGTTTAAAGCTCGCCGACCCGA
 TGAGGTGGCCCGCGGTGGGAAAGAGGAAAAATAGCCCAAGATGAACTACGAGAAGCTGAGCCGGGGC
 TTACGCTACTATTACGACAAGAATCATCCACAAGACGTCGGGGAAGCGCTACGTGTACCGCTTGTGT
 GCGACCTCCAGAACTTGTGGGTTACGCCCGAGGAAGTGCACGCCATCCTGGGCGTCCAGCCAGACAC
 GGAGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207377 representing NM_005239
 Red=Cloning site Green=Tags(s)

MNDFGIKNDQVAPVANSYRGLKRPADFDFDGLFAVFPNLSNEQTLQEVPTGLDSISHDSANCELPL
 LTPCSKAVMSQALKATFSGFKKEQRRLLGIPKNPWLWSEQQVCQWLLWATNEFSLVNVNLQRFGMNGQMLC
 NLGKERFLELAPDFVGDILWEHLEQMIKENQEKTEDQYEENSHLTSVPHWINSNTLGFGEQAPYGMQTQ
 NYPKGGLLDSMCPASTPSVLSSSEQEFQMFPKSRLSSVSVTYCSVSQDFPGSNLNLTTNNSGTPKDHDSPE
 NGADSFESSDSLQSWNSQSLLDVQRVPSFESFEDDCQSLLCNKPTMSFKDYIQERSDPVEQGKPVIP
 AAVLAGFTGSGPIQLWQFLLELLSDKSCQSFISWTGDGWEFKLADPDEVARRWGRKRNKPKMNYEKL
 SRGLRYYYYDKNIIHKTSKRYVYRFVCDLQNLGFTPEELHAILGVQPDTE

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_005239

ORF Size: 1407 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_005239.4](#), [NP_005230.1](#)

RefSeq Size: 3672 bp

RefSeq ORF: 1410 bp

Locus ID: 2114

UniProt ID: [P15036](#)

Cytogenetics: 21q22.2

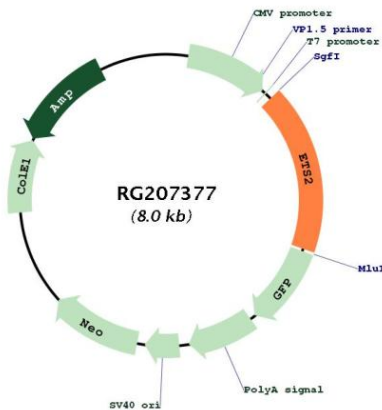
Domains: ETS, SAM_PNT

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Dorso-ventral axis formation

Gene Summary: This gene encodes a transcription factor which regulates genes involved in development and apoptosis. The encoded protein is also a protooncogene and shown to be involved in regulation of telomerase. A pseudogene of this gene is located on the X chromosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012]

Product images:



Circular map for RG207377