

## Product datasheet for **RG239076**

### ETS2 (NM\_001256295) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ETS2 (NM_001256295) 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)



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**ORF Nucleotide Sequence:**

>RG239076 representing NM\_001256295.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGGGTCGGCTCAATTCAGGGCCTTATTACCAAGCCCGGCTGCCCTTCGGTGCCACCAGCACCACT
GCTCCGTCGCTGCGGAATTCAAAGGCAGGTTTGGCGTTAGGGCCTTGGCCCCAGAGAGGACCGCGAGC
GCTCCACGGAAGTCTCCGCCCGGCTCCAGGGCGCACACTCGCGCGCAGTGGGGCCGAGGCCCTGCT
CCCGGGGCTCAGGGCCAGCCGGCGAGGACCCAGCCGAGTGACAGCAGGAGCGGAGGGAAAGCTCAGA
GCTCCCGAGCCGCCCGCCAGCGTCCGGCCTCCCTGATCGTCTCTGGCCGGCGCCCTCGCCCTCGCCC
GGCGCGCACCGAGCAGCCCGGGCGCCGAGCAGCCACCGTCCCGACCAAGCGCCGGCCCTGCCCGCAGC
GGCAGGATGAATGATTTTCGGAATCAAGAATATGGACCAGGTAGCCCTGTGGCTAACAGTTACAGAGGG
ACACTCAAGCGCCAGCCAGCCTTTGACACCTTTGATGGTCCCTGTTTGTGTTTTCTCTCTAAAT
GAAGAGCAAACACTGCAAGAAGTCCAACAGGCTTGATTCCATTTCTCATGACTCCGCCAACTGTGAA
TTGCCTTTGTAAACCCCGTGCAGCAAGGCTGTGATGAGTCAAGCCTTAAAAGCTACCTTCAGTGGCTTC
AAAAAGGAACAGCGGGCGCTGGGCATTCCAAGAACCCCTGGCTGTGGAGTGAGCAACAGGTATGCCAG
TGGCTTCTCTGGGCCACCAATGAGTTCAGTCTGGTGAACGTGAATCTGCAGAGGTTCCGGCATGAATGGC
CAGATGCTGTGTAACCTTGGCAAGGAACGCTTTCTGGAGCTGGCACCTGACTTTGTGGGTGACATTTCTC
TGGGAACATCTGGAGCAAATGATCAAAGAAAACCAAGAAAAGACAGAAGATCAATATGAAGAAAATTCA
CACCTCACCTCCGTTCTCATTGGATTAACAGCAATACATTAGGTTTTGGCACAGAGCAGGCGCCCTAT
GGAATGCAGACACAGAATTACCCCAAAGCGGCCCTCTGGACAGCATGTGTCCGGCCTCCACACCCAGC
GTACTCAGCTCTGAGCAGGAGTTTCAGATGTTCCCAAGTCTCGGCTCAGCTCCGTCAGCGTCACCTAC
TGCTCTGTGACTCAGGACTTCCAGGCAGCAACTTGAATTTGCTCACCAACAATCTGGGACTCCAAAA
GACCACGACTCCCTGAGAACGGTGGGACAGCTTCGAGAGCTCAGACTCCCTCCAGTCTCGAAC
AGCCAGTCGTCCTTGTGGATGTGCAACGGTTCTTCTTCGAGAGCTTCAAGATGACTGCAGCCAG
TCTCTCTGCCTCAATAAGCCAACCATGTCTTCAAGGATTACATCCAAGAGAGGAGTGACCCAGTGGAG
CAAGGCAAACCAGTTATACCTGCAGCTGTGCTGGCCGGCTTACAGGAAGTGGACCTATTCAGCTGTGG
CAGTTTCTCTGGAGCTGCTATCAGACAAATCCTGCCAGTATTATCAGCTGGACTGGAGACGGATGG
GAGTTTAAAGCTCGCCGCCCGATGAGGTGGCCCGCGTGGGAAAGAGGAAAAATAAGCCCAAGATG
AACTACGAGAAGCTGAGCCGGGCTTACGCTACTATTACGACAAGAACATCATCCACAAGACGTCGGGG
AAGCGCTACGTGTACCGCTTCGTGTGCGACCTCCAGAACTTGCTGGGGTTCACGCCCGAGGAACTGCAC
GCCATCTGGGCGTCCAGCCGACACGGAGGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG239076  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MGSAQFQGLITQARLPFGATSTTAPSLRNSKGRFGVRLALPERTPSAPRKVSARLPGRTLARTWGRGPA
PGASGPAGEGPSRVTAGGGKLRAPGAARPASGLPDRLWPAPSPSPGAHRAAAGAEQPPSRPSAGPARS
GRMNDFGIKNMDQVAPVANSYRGTLLKRPADFDFDGLFVAVFSLNNEQTLQEVPTGLDSISHDSANCE
LPLLTPCSKAVMSQALKATFSGFKKEQRRLGIPKNPWLWSEQQVCWLLWATNEFSLVNVNLQRFMGNG
QMLCNLTKERFLELAPDFVGDILWEHLEQMIKENQEKTEDQYEENSHLTSVPHWINSNTLFGTEQAPY
GMQTQNYPKGGLLDSMCPASTPSVLSSEQEFQMFPSRLSSVSVTYCSVSQDFPGSNLNLTTNNSGTPK
DHDSPENGADSFESSDLLQSWNSQSSLLDVQRVPSFESFEDDCSLSLCLNKPTMSFKDYIQUERSDPVE
QGKPVIPAAVLGFTGSGPIQLWQFLELLSDKSCQSFISWTGDGWEFKLADPDEVARRWGRKRNKPKM
NYEKLRSRLRYYYDKNIHKTSKRYVYRFVCDLQNLGFTPEELHAILGVQPDTE
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
SVIFTDKIIIRSNATVEHLHPMGDNDLDGFSFTRTSLRDGGYSSVVDSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:**

Sgfl-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001256295.2</a>
<b>RefSeq Size:</b>	3954 bp
<b>RefSeq ORF:</b>	1830 bp
<b>Locus ID:</b>	2114
<b>Cytogenetics:</b>	21q22.2
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	Dorso-ventral axis formation
<b>MW:</b>	67.4 kDa
<b>Gene Summary:</b>	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]