

## Product datasheet for **RC239076**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ETS2 (NM_001256295) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ETS2
Synonyms:	ETS2IT1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC239076 representing NM\_001256295  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGTCGGCTCAATTCAGGGCCTTATTACCAAGCCCGGCTGCCCTTCGGTGCCACCAGCACCCTG  
 CTCGCTGCTGCGGAATCCAAAGGCAGGTTTGGCGTTAGGGCCTTGCCCCAGAGAGGACGCCGAGCGC  
 TCCACGGAAAGTCTCCGCCCGGCTCCAGGGCGCACACTCGCGCGCACGTGGGGCCGAGGCCCTGTCC  
 GGGCCTCAGGGCCAGCCGGCGAGGGACCCAGCCGAGTGACAGCAGGAGGCGGAGGGAAGCTCAGAGCTC  
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 AGCAAATGATCAAAGAAAACCAAGAAAAGACAGAAGATCAATATGAAGAAAATTCACACCTCACCTCCGT  
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 AACCATGTCTTTCAAGGATTACATCCAAGAGAGGAGTGACCCAGTGGAGCAAGGCAAACAGTTATACCT  
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 CAGACAAATCCTGCCAGTCATTCATCAGCTGGACTGGAGACGGATGGGAGTTAAGCTCGCCGACCCCGA  
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 GCGACCTCCAGAACTTGCTGGGGTTCACGCCCGAGGAAGTGCACGCCATCTGGGCGTCCAGCCCGACAC  
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**Protein Sequence:**

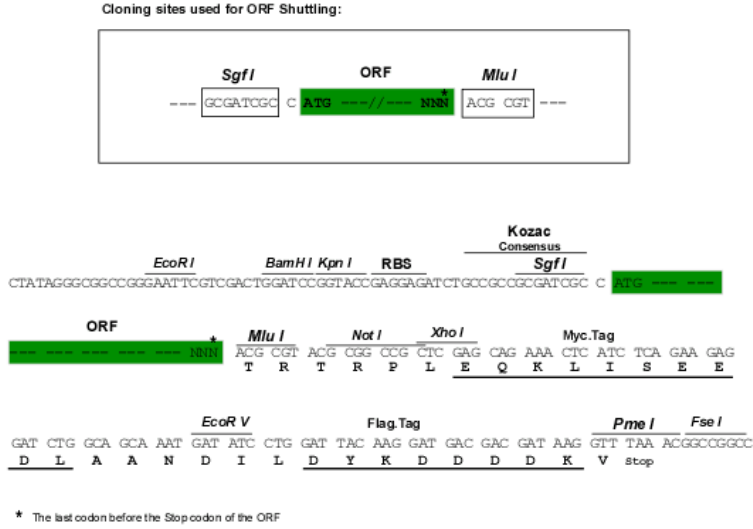
>RC239076 representing NM\_001256295  
 Red=Cloning site Green=Tags(s)

MGSAQFQGLITQARLPFATSTTAPSLRNSKGRFGVRLAPERTPSAPRKVSARLPGRTLARTWGRGPAP  
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 AAVLAGFTGSGPIQLWQFLLELLSDKSCQSFISWTGDGWEFKLADPDEVARRWGRKRNKPKMNYEKL SRG  
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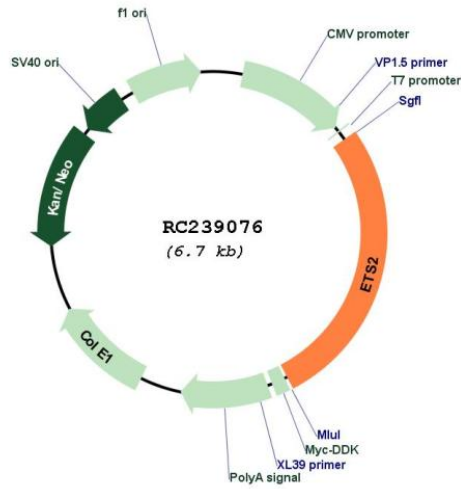
**TRTRP**LEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001256295

ORF Size: 1827 bp

<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>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<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]