

Product datasheet for **RG232050**

ETV7 (NM_001207041) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ETV7 (NM_001207041) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ETV7
Synonyms: TEL-2; TEL2; TELB
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG232050 representing NM_001207041
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACACCCGAAGGGGCCACCTGCTGCAGCCACCAGACCCAGGGCTTACCAGCAACTTCGGCCACCTGG
 ATGACCTGGCCTGGCAAGGTGGACCCCTGGCAAGGAGGAGTCCCTCACTTATGTCAGTGTGCAGAGCT
 CGGCTGCAGGACCCAGGGGTCTGTTCTTCCCGCGATGCCGAGGCCCCATTGACGGCAGGATCGT
 GACTGCCGCTGCTGTGGATTACGTGTATCAGCTGCTCCTTGATACCCGATATGAGCCCTACATCAAGT
 GGAAGACAAGGACGCCAAGATCTCCGAGTTGTGGATCCAAATGGGCTCGCCAGACTCTGGGAAATCA
 CAAGAACCGGTTGAACATGACCTACGAGAAGATGTCTCGTCCCTGCGCCACTATTATAAGCTTAATATC
 ATTAAGAAGGAACCGGGCAGAACTCCTGTTCAAGACTCCGGAAAGATGGTCCAGGACA
 AGCACAGCCACCTGGAGCCGCTGGAGAGCCAGGAGCAGGACAGAAATAGAGTTCAAGGACAAGAGGCCAGA
 AATCTCTCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG232050 representing NM_001207041
 Red=Cloning site Green=Tags(s)

MDTRRGHLLQPPDPGLTSNFGHLDDPGLARWTPGKEESLNLCHCAELGCRTQGVCSFPAMPQAPIDGRIA
 DCRLLDWYVYQLLDTRYEPYIKWEDKDAIFRVVDPNGLARLWGNHKNRVNMTYEKMSRALRHYKLN
 IKKEPGQKLLFRFLKTPGKMQDKHSHLEPLESQEQDRIEFKDKRPEISP

TRTRPLE - GFP Tag - V

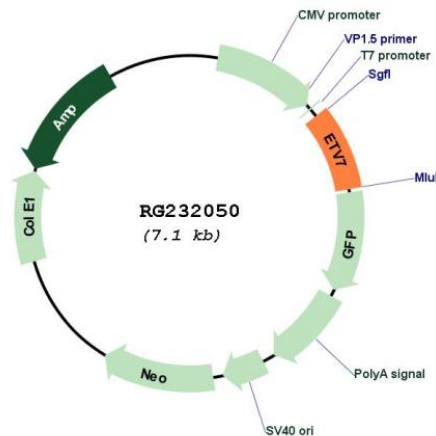
Restriction Sites: Sgfl-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001207041

ORF Size: 570 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_001207041.1](#), [NP_001193970.1](#)

RefSeq Size: 1460 bp

RefSeq ORF: 573 bp

Locus ID: 51513

UniProt ID: [Q9Y603](#)

Cytogenetics: 6p21.31

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Dorso-ventral axis formation

Gene Summary: The protein encoded by this gene belongs to the ETS family of transcription factors, which is a large group of evolutionarily conserved transcriptional regulators that play an important role in a variety of cellular processes throughout development and differentiation, and are involved in oncogenesis as well. This protein is predominantly expressed in hematopoietic tissues. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene (PMID:11108721).[provided by RefSeq, May 2011]