

Product datasheet for **RG207742**

ETV7 (NM_016135) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ETV7 (NM_016135) 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:	>RG207742 representing NM_016135 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGGAGGGAGAATTGGCTATTTCTCCTATAAGCCCTGTGGCAGCCATGCCTCCCCTAGGCACCCACG
TGCAAGCCAGATGTGAAGCTCAAATTAACCTGCTGGGTGAAGGGGGATCTGCAAGCTGCCAGGAAGACT
CCGCATCCAGCCCGCACTGTGGAGCAGGGAGGACGTGCTGCCTGGCTGCGCTGGCAGAGCAGGAGTAC
TCTCTGCCATGCACCGCGGAGCACGGTTCGAGATGAACGGACGCGCCCTCTGCATCCTCACCAGGACG
ACTTCCGGCACCGTGCGCCAGCTCAGGTGACGTCTGTATGAGCTGCTCCAGTACATCAAGACCCAGCG
GCGAGCCCTGGTGTGTGGACCCTTTTTGGAGGGATCTTCAGGCTGAAGACGCCACCCAGCACTCTCCA
GTCCCCCGGAAGAGGTGACTGGCCCTCTCAGATGGACACCCGAAGGGGCCACCTGCTGCAGCCACCAG
ACCCAGGGCTTACCAGCAACTTCGGCCACCTGGATGACCTGGCCTGGCAAGGTGGACCCCTGGCAAGGA
GGAGTCCCTCAACTTATGCTACTGTGCAGAGCTCGGCTGCAGGACCCAGGGGGTCTGTTCCTTCCCCGCG
ATGCCGAGGCCCCATTGACGGCAGGATCGTACTGCCGCTGCTGTGGGATTACGTGTATCAGTGC
TCCTTGATACCCGATATGAGCCCTACATCAAGTGGGAAGACAAGGACGCCAAGATCTTCCGAGTTGTGA
TCCAAATGGGCTCGCCAGACTCTGGGAAATCACAAGAACCAGGTTGAACATGACCTACGAGAAGATGTCT
CGTGCCCTGCGCCACTATTATAAGCTTAATATCATTAGAAGGAACCGGGGCAGAACTCCTGTTTCAGAT
TTCTAAAGACTCCGGAAAGATGGTCCAGGACAAGCACAGCCACCTGGAGCCGCTGGAGAGCCAGGAGCA
GGACAGAATAGAGTTCAAGGACAAGAGGCCAGAAATCTCTCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207742 representing NM_016135
Red=Cloning site Green=Tags(s)

MQEGELAI SPI SPVAAMPPLGTHVQARCEAQINLLGEGGICKLPGRRLRIQPALWSREDVLHHLRWAEQY
 SLPCTAEHGFEMNGRALCILTKDDFRHRAPSSGDVLYELLQYIKTQRRALVCGPFFGGIFRLKPTQHSP
 VPPEEVTGPSQMDTRRGHLLQPPDPGLTSNFGHLDDPGLARWTPGKEESLNLCHCAELGCRTQGVCSFPA
 MPQAPIDGRIADCRLLDWYVYQLLLDTRYEPYIKWEDKAKIFRVVDPNGLARLWGNHKNRVMNTYEKMS
 RALRHYYKLNIIKKEPGQKLLFRFLKTPGKMVQDKHSHLEPLESQEQDRIEFKDKRPEISP

TRTRPLE - GFP Tag - V

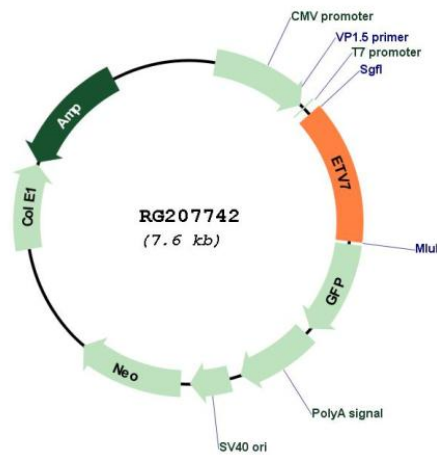
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_016135

ORF Size: 1023 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:	<ol style="list-style-type: none">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_016135.2 , NP_057219.1
RefSeq Size:	1670 bp
RefSeq ORF:	1026 bp
Locus ID:	51513
UniProt ID:	Q9Y603
Cytogenetics:	6p21.31
Domains:	ETS, SAM_PNT, SAPA, SapB_1, SapB_2, SAPB
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]