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Product datasheet for RG232325

ETV7 (NM_001207038) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ETV7 (NM_001207038) 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:

>RG232325 representing NM_001207038
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGGAGGGAGAATTGGCTATTTCTCCTATAAGCCCTGTGGCAGCCATGCCTCCCCTAGGCACCCACG
TGCAAGCCAGATGTGAAGCTCAAATTAACCTGCTGGGTGAAGGGGGGATCTGCAAGCTGCCAGGAAGACT
CCGCATCCAGCCCGCACTGTGGAGCAGGGAGGACGTGCTGCACTGGCTGCGCTGGGCAGAGCAGGAGTAC
TCTCTGCCATGCACCGCGGAGCACGGGTTCGAGATGAACGGACGCGCCCTCTGCATCCTCACCAAGGACG
ACTTCCGGCACCGTGCGCCCAGCTCAGGTGACGTCCTGTATGAGCTGCTCCAGTACATCAAGACCCAGCG
GCGAGCCCTGGTGTGTGGGCCCTTTTTTGGAGGGATCTTCAGGCTGAAGACGCCCACCCAGCACTCTCCA
GTCCCCCCGGAAGACTGCCGCCTGCTGTGGGATTACGTGTATCAGCTGCTCCTTGATACCCGATATGAGC
CCTACATCAAGTGGGAAGACAAGGACGCCAAGATCTTCCGAGTTGTGGATCCAAATGGGCTCGCCAGACT
CTGGGGAAATCACAAGAACCGGGTGAACATGACCTACGAGAAGATGTCTCGTGCCCTGCGCCACTATTAT
AAGCTTAATATCATTAAGAAGGAACCGGGGCAGAAACTCCTGTTCAGATTTCTAAAGACTCCGGGAAAGA
TGGTCCAGGACAAGCACAGCCACCTGGAGCCGCTGGAGAGCCAGGAGCAGGACAGAATAGAGTTCAAGGA
CAAGAGGCCAGAAATCTCTCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

>RG232325 representing NM_001207038
Red=Cloning site Green=Tags(s)

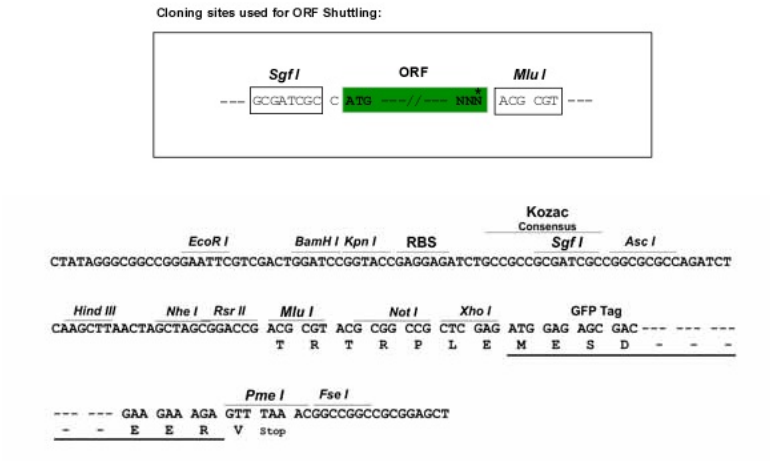
MQEGELAISPISPVAAMPPLGTHVQARCEAQINLLGEGGICKLPGRLRIQPALWSREDVLHWLRWAEQEY
SLPCTAEHGFEMNGRALCILTKDDFRHRAPSSGDVLYELLQYIKTQRRALVCGPFFGGIFRLKTPTQHSP
VPPEDCRLLWDYVYQLLLDTRYEPYIKWEDKDAKIFRVVDPNGLARLWGNHKNRVNMTYEKMSRALRHYY
KLNIIKKEPGQKLLFRFLKTPGKMVQDKHSHLEPLESQEQDRIEFKDKRPEISP

TRTRPLE - GFP Tag - V

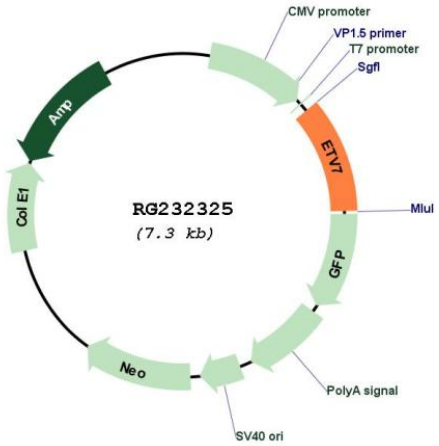
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001207038

ORF Size: 792 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_001207038.2
RefSeq Size:	1521 bp
RefSeq ORF:	795 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]