

Product datasheet for **RG213907**

ETV2 (NM_014209) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ETV2 (NM_014209) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ETV2
Synonyms:	ER71; ETSRP71
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213907 representing NM_014209 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCTGTGGAACGGGATGAGGCATCCCCACAGGAAGTGCCTCCAGGGAACAAGCTGGCAGGGCTTG
GTAGGCTGCCGAGGCTGCCACAACGTGTGTGGGAGGGTGTCCAGGTGGGGCCTCTGCTGACCCTAATCC
CTTATCGCCTGCAGAAGGAGCCAAATTAGGCTTCTGTTTCCCTGATCTGGCACTCCAAGGGGACACGCCG
ACAGCGACAGCAGAGACATGCTGAAAAGGTACAAGCTCATCCCTGGCAAGCTTCCCACAGCTGGACTGGG
GCTCCGCGTTACTGCACCCAGAAGTTCCATGGGGGGCGGAGCCCGACTCTCAGGCTCTTCCGTGGTCCGG
GAACTGGACAGACATGGCGTGCACAGCCTGGGACTCTTGGAGCGGCGCCTCGCAGACCCTGGGCCCGCC
CCTCTCGGCCCGGCCCATCCCCGCGCCGGCTCCGAAGGCGCCGCGGGCCAGAAGTGCCTCCCGTGG
CGGGAGAGGCCACCTCGTGGTTCGCGCGCCAGGCCCGGGAGCAACACCAGCTGGGACTGTTCTGTGGG
GCCCCAGCGGATACCTACTGGGCGAGTGGCCTGGGCGGGGAGCCCGCGCACGGACTGTACCATTTCTGTG
GGCGGGCCCGGGCCCGGACTGTACCACCTCCTGGAACCGGGGCTGCATGCGGGTGGCACCACCTCTT
TGAAGCGTACCAGAGCTCAGCTCTCACCGTTTGTCCGAACCGAGCCCGAGTCCGACCGTGGCAGTTT
GGCTCGATGCCCCAAAATAACCACCGAGGTCCATTACAGTGTGGCAGTTCCTCTGGAGCTGCTCCAC
GACGGGGCGGTAGCAGCTGCATCCGTTGGACTGGCAACAGCCGCGAGTCCAGCTGTGCGACCCCAAAG
AGGTGGCTCGGCTGTGGGGCGAGCGCAAGAGAAAAGCCGGCATGAATTACGAGAAGCTGAGCCGGGCGCT
TCGCTACTACTATCGCCGCGACATCGTGCGAAGAGCGGGGGGCGAAAAGTACACGTACCGCTTCGGGGG
CGCGTGCCAGCCTAGCCTATCCGGACTGTGCGGGAGGCGGACGGGGGCGAGAGACAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG213907 representing NM_014209
Red=Cloning site Green=Tags(s)

MDLWNWDEASPQEVPPGNKLAGLGRLPRLPQRVWGGCPGGASADPNPLSPAEGAKLGFCFPDLALQGDTP
TATAETCWKGTSSSLASFPQLDWGSALLHPEVPWGAEPDSQALPWGSGNWTDMACTAWDSWSGASQTLGPA
PLGPGPIPAAGSEGAAGQNCVPVAGEATSWRAQAAGSNTSWDCSVGPDGDTYWGSGLGGEPRTDCTISW
GGPAGPDCCTTSWNPGLHAGGTTSLKRYQSSALTVCEPSPQSDRASLARCPKTNHRGPIQLWQFLLELLH
DGARSSCIRWTSREFQLCDPKEVARLWGERKRKPGMNYEKLRSGLRYYYRRDIYRKS GGRKYTYRFGG
RVPSLAYPDCAGGGRGAETQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014209

ORF Size: 1110 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_014209.1](#), [NP_055024.1](#)

RefSeq Size: 1559 bp

RefSeq ORF: 1029 bp

Locus ID: 2116

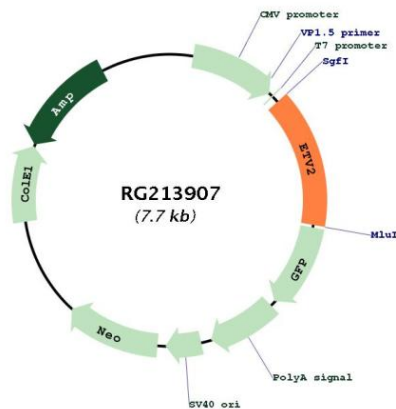
UniProt ID: [O00321](#)

Cytogenetics: 19q13.12

Protein Families: ES Cell Differentiation/IPS

Gene Summary: Binds to DNA sequences containing the consensus pentanucleotide 5'-CGGA[AT]-3'.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG213907