

Product datasheet for **MG223021**

Ets1 (NM_001038642) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ets1 (NM_001038642) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ets1
Synonyms:	A1196000; A1448617; D230050P06; Ets-1; Tpl1; vs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223021 representing NM_001038642 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGCGGCCGTCGATCTCAAGCCGACTCTCACCATCATCAAGACAGAAAAAGTGGATCTCGAGCTTT
TCCCTTCCCCGGACATGGAATGTGCAGATGTCCCCTGTTAACTCCGAGCAGCAAAGAAATGATGTCCCA
AGCCTTAAAAGCTACTTTCAGTGGTTTCACAAAAGAACAGCAGCGACTGGGAATCCCCAAAGACCCCGG
CAGTGGACAGAAACCCACGTCCGGGACTGGGTGATGTGGGCTGTGAATGAGTTCAGCCTGAAAGGTGTGG
ACTTCCAGAAGTCTGTATGAGTGGAGCAGCACTGTGTGCCCTGGGTAAGAATGCTTCCCTCGAGCTGGC
TCCAGACTTTGTTGGGGATATCCTGTGGGAGCATCTAGAGATCCTGCAGAAAGAGGATGTGAAACCATAT
CAGGTTAATGGAGCCAACCTACCTACCCAGAATCCTGTTACACCTCGGATTACTTCATCAGCTACGGTA
TCGAGCATGCTCAGTGTGTTCCCTCCCTCAGAGTCTCAGAGCCCAGCTTCATCACAGAGTCTATCAGAC
GCTGCATCCTATCAGCTCGGAAGAACTCCTGTCCCTCAAGTATGAGAACGACTACCTTCTGTCAATTCTC
CAGGACCCTCTCCAGACAGACACCTTGCAGACAGACTACTTGGCCATCAAGCAAGAGGTGTTAACTCCAG
ACAACATGTGCCCTGGGAGAGCCAGTCGTGGAAGTGGGCCGATCCAGCTGTGGCAGTTTCTTCTGGAATT
ACTCACTGATAAGTCTTGTGAGTCCCTTATCAGCTGGACAGGAGATGGCTGGGAATTCAAGCTTTCTGAC
CCAGATGAGGTGGCCAGGAGATGGGAAAAGAGGAAAAACAAACCTAAGATGAATTATGAGAACTGAGCC
GTGGCCTTCGCTACTATTATGACAAAAATATCATCCACAAGACGGCGGCAAGCGCTACGTATACCGCTT
TGTGTGCACCTGCAGAGCCTGCTGGGATACACCCTGAAGAGCTGCACGCCATGCTGGATGTTAAAGCCG
GATGCTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223021 representing NM_001038642
 Red=Cloning site Green=Tags(s)

MKAAVDLKPTLTIKTEKVDLELFPSPDMECADVPLLTPSSKEMMSQALKATFSGFTKEQQRLGIPKDP
 QWTETHVRDWMWAVNEFSLKGVDFQKFCMSGAALCALGKECFLELAPDFVGDILWEHLEILQKEDVKPY
 QVNGANPTYPESCYTSDYFISYGIEHAQCVPSEFSEPSFITESYQTLHPISSEELLSLKYENDYPSVIL
 QDPLQDRTLQTDYFAIKQEVLPDNLMLGRASRGSGPIQLWQFLLELLTDKSCQSFISWTGDGWEFKLSD
 PDEVARRWGRKNKPKMNYEKL SRGLRYYYDKNIIHKTAGKRYVYRFVCDLQSLLGYPPEELHMLDVKP
 DAD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001038642

ORF Size: 1059 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_001038642.2](#)

RefSeq Size: 4799 bp

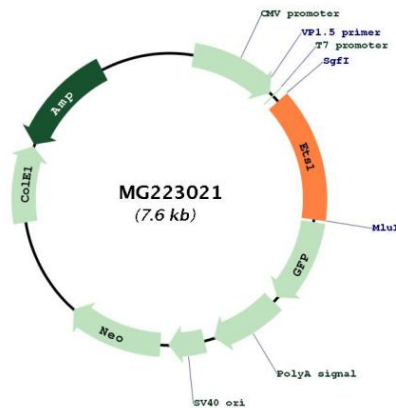
RefSeq ORF: 1062 bp

Locus ID: 23871

Cytogenetics: 9 17.97 cM

Gene Summary: Transcription factor. Directly controls the expression of cytokine and chemokine genes in a wide variety of different cellular contexts. May control the differentiation, survival and proliferation of lymphoid cells. May also regulate angiogenesis through regulation of expression of genes controlling endothelial cell migration and invasion (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG223021