

Product datasheet for **MR230329**

Etv3 (NM_001083318) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Etv3 (NM_001083318) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Etv3
Synonyms:	AI414410; METS; Pe1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230329 representing NM_001083318
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAAGCAGGCTGTAGCATCGTGGAAAAGCCAGAAGGAGGTGGAGGGTATCAGTTTCCGGATTGGCCCT
 ACAAAAGCCGAGTCGTCGCGGGCTCCCGCAGATCCAGCTGTGGCACTTCATCCTGGAAGCTGCTGCAGAA
 GGAAGAGTTCCGCCATGTCATCGCCTGGCAGCAGGGAGAGTACGGGGAGTTTGTATCAAGGATCCAGAT
 GAAGTGGCTCGCCTCTGGGGCCGAGGAAGTCAAACACAGATGAACTATGACAAGCTGAGCCGGGCC
 TCAGATACTATTACAACAAGAGGATCCTTCATAAAACAAAAGGGAAAAGTTTACTTACAAGTTAACTT
 CAACAAGCTCGTATGCCAACTACCCGTTTCATCAACATTCGCTCGAGTGGTGTGGTTTCTCAGAGTGGC
 CCACCAGTGCCAACAGCCTCTCCCGTTCCATTTCCACCTCTAGACAGCCATTCTCTACTGGCGATG
 TGCAACCGGGTCGTTCTCTGCCAGTCACTGAGTGTCTTGGCCCTGAGTCAGGGGTACCAGTACAG
 GAAGTTCGAGCCTTCGGACCTGGAAGATGGCTCGGCCTCTGACTGGCACCAGGGGCATGGACTTCATGCC
 TCCCGAAATGCTCTGGGCGGAGGAGCAGTCGGCCACCAGAAACGCAAGCCTGACATACTGCTTCTCTCT
 TCACCCGGCCAGCCATGTACCCTGACCCGCACAGTCCCTTCGCTATCTCTCCGGTCCCTGGCCGGGAGG
 GGTCTTAATGTCCCATCTCACCAGCCCTGTCCCTGACTCCCACCATGTTCTCCTACAGTCCCTACCA
 GGCTGAGCCCTTACCAGCAGCAGTTGCTTCTCCTTCAACCCAGAGGAAATGAAACACTACCTTCACT
 CTCAAGCTGTTTCGGTGTCAACTACCATCTGAGTCCCGGACTTTCCCGGTTACCCAGGGCTCATGGT
 CCCACCGCTGCAGTGCCAAATGCATCCTGAGGAGCCTTCCAGTTCTCTATCAAGCTGCAGCCCCGGCC
 GCTGGCAGGAAGAACCAGGAGGGTAGAGAGCCGGGAGGAGGCTGTTTCGGGCTCTGTGCCCGCCAGCC
 CTCTGTTCCTCTCGGATTAAGGTAGAGCCGGCCACAGAGAAGGATCCTGACAGCCTCCGGCAGTCAAC
 CCAGGGAAGGAGGAACAGACCCCAAGAAGTGGACAGCATTTCGGAGCAGGACCATAGAAGAGGGGAAAGGC
 ACCGGGTTTGCCACCCCTCACCACCTGGCCCTCTGTGTCCATTAGCACTCCCAGTGCAGAACCCCTAG
 AGGGGACCGAAGACAGTGAAGACAGGTCTGCCAGGGAGCCGGTGTACCCGAGAAGAAAGACGCCCT
 GATGCCCCCTAAGCTTCGGCTGAAGAGGCGGTGGAATGACGACCCCTGAAGCCAGGGAGCTCAACAAAACG
 GGCAAGTCTCTGGAATGGGGCAGGACCCAGGGCTGGCCACAACGGCCACTGCTGCCGCTGATGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230329 representing NM_001083318
 Red=Cloning site Green=Tags(s)

MKAGCSIVEKPEGGGGYQFPDWAYKAESSPGSRQIQLWHF ILELLQKEEFRHVIAWQQGEYGEFVIKDPD
 EVARLWGRRKCKPQMNYDKLSRALRYYYNKRILHKTKGRFTYKFNFNKLVMPNYPFINIRSSGVVPQSA
 PPVPTASSRFHFPPLDHSHPTGDVQPGRF SASSLSASGPESGVTDRKVEPSDLEDGSASDWHRGDMFMP
 SRNALGGGAVGHQKRKPDILLPLFTRPAMYDPHSPFAISVPVGRGGVNLVPI SPALSLTPTMFSYSPSP
 GLSPFTSSSCFSFNPEEMKHYLHSQACSVFNHLSRPTFPRYPGLMVPPLQCQMHPPEEPSQFSIKLQPPP
 AGRKNRERVESREEAVRGSVPASAPVPSRIKVEPATEKDPDSLRQSTQGKEEQTQEVD SIRSRTIEEGKG
 TGF AHPSTWPSVSI STPSDEPLEGTESEDRSAREPGVPEKKEDALMPPKLRLKRRWNDDPEARELNKT
 GKFLWNGAGPQGLATTATAAADA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001083318

ORF Size: 1539 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_001083318.1](#), [NM_001083318.2](#), [NP_001076787.1](#)

RefSeq Size: 5143 bp

RefSeq ORF: 1542 bp

Locus ID: 27049

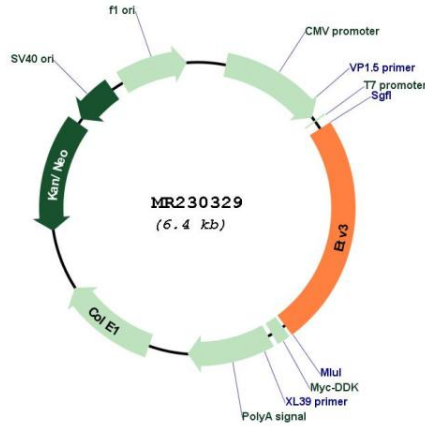
UniProt ID: [Q8R4Z4](#)

Cytogenetics: 3 F1

MW: 57 kDa

Gene Summary: Transcriptional repressor that contribute to growth arrest during terminal macrophage differentiation by repressing target genes involved in Ras-dependent proliferation. Represses MMP1 promoter activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230329