

Product datasheet for **RR212083**

Etv3 (NM_001106450) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Etv3 (NM_001106450) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Etv3
Synonyms:	Spap1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212083 representing NM_001106450
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAGCAGGCTGTAGCATCGTGGAAAAGCCAGAAGGAGGTGGAGGGTATCAGTCCCGGATTGGCCCT
 ACAAAAGCCGAGTCGTCCGACGGCTCCCGGCAGATCCAGCTGTGGCACTTCATCTTGAAGTCTGTCAGAA
 GGAAGAGTTCCGCCATGTCATCGCCTGGCAGCAGGGAGAGTACGGGGAGTTTGTCAATCAAGGATCCAGAT
 GAAGTGGCTCGCCTCTGGGGCCGACGAAGTGCAAACACAGATGAACTACGACAAGCTGAGCCGGGCC
 TCAGATACTATTACAACAAGAGGATCCTTCATAAGACAAAAGGGAAAAGTTTACTTACAAGTTCAACT
 CAGCAAGCTGGTATGCCAACTACCTTTTCATCAACATCCGCTCAAGTGGTGTGGTTTCTCAGAGTGCA
 CCACCAGTGCCACAGCCTTCCCGGTTCCATTTCCACCTCTAGACACCCATTCTCTACTGGTGACG
 TGCAGCCAGGGCGCTTCTGCTAGCTCCCTGAGTGTCTTGGCCCGAGTCAGGTGGGGCCGCTGATAG
 AAAGTGGAGCCTTCGGACCTGGAAGATGGCTCGGCCTCTGATTGGCACCAGGGGATGGATTTTCATGCC
 TCTCGAAATGCTCTCAGTGGAGGAGTAATCGGCCACCAGAAACGCAAGCCTGACATAATGCTTCCCTCT
 TCACTCGGCCAGCAATGTACCCTGACCCCCACAGTCCCTTCGCTCTCTCCAGTCCCTGGCCGAGGAGG
 TGTCTTAATGTCCCATTTACCCAGCCCTGTCCCTGACTCCACTATGTTCTCCTATAGTCCCTCGCCA
 GGCTGAGCCCTTACCAGCAGCAGTTGCTTCTCCTTCAACCCAGAGGAAATGAAACACTACCTTCATT
 CTCAAGCTGTTCTGTGTTCAACTATCACCTGAGTCTCGGACTTTTCCCGTTACCCAGGGCTCATGGT
 CCCACCACTGCAGTGCCAAATGCATCCTGAGGAGTCTTCCAGTTCTCTATCAAGCTGCAGCCCCACCA
 GCTGGAAGGAAGAACCGTGAGAGGGTAGAGAGCAGTGAAGGAGTGGTCTGTGCCCCGACCA
 CTCTTATCCCTCTCGGATTAAGTAGAACCCACTGAGAAGGATCCTGACAGCCTCAGCAGTCAAC
 CCAAGAAAAGGAGGAACAGGCCCCAGGAAGTGGACTGTGCAGACCAGGACCATAGAAGAGGGGAAAGGC
 ACAGTGTTCGCCACCCGTCACCCACCTGGCCCTCTGTATCCATTAGCATCCCCAGTGACGAACCCCTAG
 AAGTACTGAAGACAGTGAAGACAGGTCTGCCAGGGAGCCGGTGTACCTGAGAAGAAAGAGTGCCT
 GATGCCCCCTAAGCTTCGGCTGAAGAGGCGGTGGAACGATGACCTGAAGCCCGGAGCTCAGCAATCG
 GGCAAGTCTCTGGAATGGGGCAGGACCCAGGGCTGGCTACAGCAGCCACTGCTGCCGCTGATGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212083 representing NM_001106450
 Red=Cloning site Green=Tags(s)

MKAGCSIVEKPEGGGGYQFPDWAYKAESSPGSRQIQLWHF ILELLQKEEFRHVIWQQGEYGEFVIKDPD
 EVARLWGRKCKPQMNYDKL SRALRYYYNKRILHKTGKRFTYKFNFSKLVMPNYPFINIRSSGVVPQSA
 PPVPTASSRFHFPPLDTHSPTGDVQPGRF SASSL SASCPESSGAADRKVEPSDLEDGSASDWHRGDMFMP
 SRNALSGGVIGHQKRKPDIMLPLFTRPAMYDPHSPFALSPVPGRGGVLNVPISPALSLTPTMFSYSPSP
 GLSPFTSSSCFSFNPEEMKHYLHSQACSVFNYHLSRPTFPRYPGLMVPPLQCQMHPEESSQFSIKLQPPP
 AGRKNRERVESSEETTRGSVPASTPIPSRIKVEPATEKDPDSL RQSTQEKEEQAQEVDTVQTRTIEEGKG
 TVFAHPSPTWPSVISIPSDEPLEVTEDESDRSAREPGVPEKKEDALMPPKLRLKRRWNDDPEARELSKS
 GKFLWNGAGPQGLATAATAAADA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

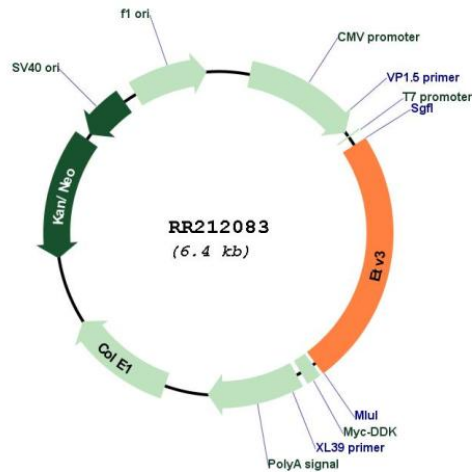
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001106450

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_001106450.1](#), [NP_001099920.1](#)

RefSeq Size: 1598 bp

RefSeq ORF: 1542 bp

Locus ID: 295297

Cytogenetics: 2q34

MW: 57.1 kDa