

Product datasheet for **SC318038**

ERV31 (ERV3-1) (NM_001007253) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERV31 (ERV3-1) (NM_001007253) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERV31
Synonyms:	envR; ERV-R; ERV3; ERVR; HERV-R; HERVR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC318038 representing NM_001007253.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGGGTATGAACATGCTACTCATCACTTTGTTCTTGCTACTCCCCTTATCCATGTTAAAGGAGAA
CCCTGGGAGGGATGCCTCCACTGCACCCACACTACGTGGTCGGGGAACATCATGACTAAAACCTGTG
TATCACACTTATTATGAGTGTGCTGGGACCTGCCAGGAACCTGTACTCACAACCAGACAACCTACTCA
GTCTGTGACCCAGGAAGGGGCCAGCCTTATGTGTGTTATGACCCTAAGTCTTCACCTGGGACCTGGTTT
GAAATTATGTCGGGTCAAAGGAAGGGGATCTTCTAAACCAAACCAAGGTATTTCCCTCTGGCAAGGAT
GTCGTATCCTTATACTTTGATGTTTGCCAGATAGTATCCATGGGCTCACTCTTCCCGTAATCTTCAGT
TCCATGGAGTACTATAGTAGCTGCCATAAAATAGGTATGCACACCCTGCTTGTCCACCGATTCCCA
GTAACAACCTGCTGGGACTGCACAACGTGGTCCACTAACCAACAATCACTAGGGCCAATTATGCTTACC
AAAATACCATTAGAACCAGATTGTAACAAGCACTTGCAATTCTGTAATCTTACCATCTTAGAGCCA
GATCAGCCCATATGGACAACAGTTTAAAGCACCGCTAGGGGCACGAGTCAGCGGTGAAGAAATTGGC
CCAGGAGCCTATGCTATCTATATATCATAAGAAAACTCGGACCCGCTCAACCCAACAGTTCAGAGTT
TTGAGTCATTCTATGAGCATGTTAACCAGAAATTGCCTGAGCCCTCCCTTGGCCAGTAATTTATTC
GCCCAACTGGCTGAAAACATAGCCAGCAGCCTGCACGTTGCTTATGTTATGCTGTGGGGGAATGAAC
ATGGGAGACCAATGGCCATGGGAAGCAAGGGAATAATGCCCCAAGATAATTCACACTAACCGCTCT
TCCCTCGAACCTGCACCATCAAGTCAGAGCATCTGTTCTTAAAAACCTCCATTATTGAAAAATTCTGT
ATTGCTCGCTGGGAAAGGCCTTTACAGACCCAGTAGGAGAGTTAACTTGCTAGGACAACAATATTAC
AACGAGACACTAGGAAAGACTTTTAAACCATTCTTGGTACCAACTGAAGCTCCAAATACCTGGCAGGCC
TTCTCTCGTTTCCCATCTTTAAACCATTCTTGGTACCAACTGAAGCTCCAAATACCTGGCAGGCC
TCTGGCCTCTACTGGATCTGTGGGCCACAAGCATATCGACAACCTGCCAGCTAAATGGTCAGGGGCTGT
GTACTGGGACAATTAGCCGCTCTTCTTCTAATGCCCTAAAAACAGGAGAAGCCTTAGGATACCCC
ATCTATGATGAACTAAAAGGAAAAGCAAAAGAGGCATAACTATAGGAGATTGGAAGGACAATGAATGG
CCTCTGAAAGAATAATTCAATATTATGGCCAGCCACCTGGGCAGAAGATGGAATGTGGGGATACCGC
ACCCAGTTTACATGCTTAACCGCATTATAAGATTGCAGGCAGTACTAGAAATCATTACCAATGAACT
GCAGGGGCTTGAATCTGCTTGGCCAGCAAGCCACAAAATGAGAAATGTCATTTATCAAAATAGACTG
GCCTTAGACTACCTCTAGCCAGGAAGAGGGAGTATGCGGAAAGTTCAACCTTACTAAGTCTGCCTG
GAACTTGATGACGAAGGAAAGGTATCAAGAAATAACTGCTAAATCCAAAAGTTAGCTCATATCCCA
GTTTCAGACTTGGAAAGGATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_001007253

Insert Size: 1815 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001007253.3](#)

RefSeq Size: 3288 bp

RefSeq ORF: 1815 bp

Locus ID: 2086

UniProt ID: [Q14264](#)

Cytogenetics: 7q11.21

MW: 67.9 kDa

Gene Summary: This gene contains sequence derived from endogenous retrovirus, and is therefore similar to multiple other loci in the genome. Transcripts at this locus encode a conserved protein with a predicted signal peptide and similarity to the Env polyprotein. This protein is overexpressed in colorectal and other cancers. [provided by RefSeq, Jan 2017]
 Transcript Variant: This variant (1) encodes the protein related to endogenous retrovirus.
 Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.