

Product datasheet for **SC101329**

EVER2 (TMC8) (NM_152468) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	EVER2
Synonyms:	EV2; EVER2; EVIN2
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF: >NCBI ORF sequence for NM_152468, the custom clone sequence may differ by one or more nucleotides

ATGCTGCTGCCGCGGTGCGTGTTCATCGGAGCGGGCCCTGGGGTGCCGGAGCCGGAGGAGCTGTGGGAGG
CAGAGATGGAGCGGCTGCGGGCTCTGGGACGCCCGTGCAGGGCTGCCCTATGCCATGATGGACAAGCG
CCTCATCTGGCAGCTGCGGGAGCCCGGGGGTGCAGACCTTGCCTGGCAGCGGTGGCAGCGCCGGCGG
CAGACGGTGGAAAGCGCTGCGGGAGGCAGCGCAGCGCTGCCCGGGGCCTTGGGCTCTGGGAGGGGG
CGCTCTACGAGATCGGGGGCTCTTCGGCACAGGAATTCGGTCTCTTCACTTCTCTCCGCTTCTCTGCT
GCTACTCAACCTGCTGAGCCTGCTGCTCACCAGCAAGCTTCTGTGCTGCTGCCCTGGTCTGGTCCGCC
CCTGACCCAGGCCCCACCCTGAACCTTGACCCTCCAGTGCCTGGTAGCCGCCAGTCCCCGCTGGCGTTT
TGAGGTTCCACAATCAACTTTGGCATGTTTTGACTGGCAGGGCCTTACCAACACCTATCTCTTCTACGG
TGCGTACCGAGTGGGGCGGAGAGCAGCTCCGTGTACAGCATCCGCTGGCCTACCTCCTCAGCCCGCTG
GCCTGCCTGCTCTCTGCTTCTGTGGGACTCTGCGGCGGATGGTGAAGGGGCTGCCGAGAAGACTCTGC
TGGGTGAGGCTATCAGGCGCTCTCAGCGCAAGGTCTTCTCTCATGGGACTTCTGCATCCGGGTGCA
GGAAGCAGCCACCATCAAGAAGCATGAGATCAGCAACGAGTTCAAGGTGGAGCTGGAGGAGGGCCGTCGC
TTCCAGCTGATGCAGCAGCAGACCCGGGCCAGACGGCTGCCGCTGCTCTCTACCTGCGGGTCAACG
TACTCAACGGGCTCCTGGTGGTTGGGGCCATCAGCGCCATCTTCTGGGTACCAAGTACTCACAGACAA
CAAGGAGGAGTCCCTGTTTCTGCTGCTCCAGTACCTGCCCTGGGGTTCATGCCCTGGTCAACTTCTG
GGTCCCTGCTGTTTCACTTTCTGGTCCAGCTGGAGAACTACCTCCCAACACGGAGGTCAACCTCACTC
TGATCTGGTGGTGGTGTGAAGCTGGCCAGCTTGGGGATGTTCTCCGTCTCCCTGGGTGAGACCATACT
GTGCATTGGCAGAGACAAGAGCAGCTGTGAGTCTACGGCTACAACGTTTGTGACTATCAGTGTGGGAG
AACTCCGTGGGGGAGGAGCTGTACAAGCTGAGTATCTCAACTTCTCTCACCCTGGCTTCCGCTTCC
TGGTCAACCTGCCTCGGAGGCTGCTGGTGGACCGGTTCTCAGGCCGGTCTGGGCTGGCTGGAACGGGA
GGAGTTCTGGTCCCAAGAATGTGCTGGACATCGTGGCGGGGAGACGGTCACCTGGATGGGCCTCTTC
TACTGCCCCCTGCTGCCCTGCTGAATAGCGTCTTCTCTTCTCACCCTTCTACATCAAGAAGTACACCC
TCTGAAGAACTCCAGGCATCTTCCGCGCCCTTCCGTCCTCCAGCTCCACCTTCTTCTCCAGCTAGT
GCTCCTCCTGGGCTGCTTCTGGCTGCAGTGGCCCTGGGCTATGTGGTCAAGCAGCATCCACTCCTCTGG
GACTGCGGCCTCTTACCAACTACTCAGCACCCTGGCAAGTGGTCCCGAGCTGGTGGCCCTTGGGCTCC
CGCCCATTTGCCAGCGTGCCTCCACTACCTGGGCTCCACGCTTCCAGCTTCCCCCTCTCATCATGCT
CAGCCTTGTCTGACGGTGTGCTCTCCAGACCCAGGCCAATGCCAGGGCCATCCACAGGCTCCGGAAG
CAGCTGGTGTGGCAGGTTCAAGGAGAGTGGCACCTGGTGGAGGACCTGTGCGACTGCTGCCGAGCCAG
GCCCAGCGACTCTCCGGGCCCAAGTACCCTGCCTCCCAAGCTTCCGCGCCGAGTCTTCTGCCCGG
ATGCCATGCCCTGGTCCCCGGGCCACAGGCCCCGCGGCCGGGCCCCCTCCGTCTGGATGCCCGGGA
CTGGCTTCCCTTGGCTGGACAGCAGGTGCCCGGCTCCGCGCGAGATTCCGCTTCCCGAGCGGC
CGGAGCTGTAA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_152468 unedited
AGTATTTTGAATACGACTCACTATAGGGCGCCGGAATTCCGCCACGACCCAGGNACTT
GGTCCCTAGGTCCCCAGATGGGGAGACTGAGGCCGTGGCTGTGTGCCCTCTGAGAGTTG
GAGCGGGGTGGGCGCAATTCGACCCAGCAGGATTCTCTCATTTCTGAGCCCCGGA
GGTGGCAGAGCGGCAGACCCGGGCAAGTGAACCTAGGGCTGCAGGAGCCAGGCCCGA
CGCCGGCGCAGAGGGGACGGAAGGGCCGCCCCAGCCAGCGTGCACAGAGGCCATAGC
CAAGGCTTAAGGCTCATCAACCGGGGACTCATATCCCCCACCAGGAGCCCGGCC
CCAGCCTCTACCGTGCCCGCGAGATGCTGCTGCCGCGGTGCGTGTATCGGAGCGGGC
CCCTGGGGTGCCGAGCGGAGGAGCTGTGGGAGGCAGAGATGGAGCGGCTGCGCGGCTC
TGGGACGCCGTGCGGGGCTGCCCTATGCCATGATGGACAAGCGCCTCATCTGGCCTCT
TCGGCACAGGAATTCGGTCTTCACTTCACTTCTCCGCTTTCTGCTGCTACTCAACCTGC
TGAGCCTGCTGCTCACCAGCAAGCTTCTGCTGCTGCCCTGGGCTGGCTCCGGCCCCCTG
ACCCAGCCCCACCCTGAACCTTACCCTTCACTGCTGCTGGTGGTGGTACCCGACGTCCTG
CGTTTTGAAGTTCCACTCACTCTGGCATGTTTTGACTGTCAGGGCCTTTACCAACAC
TAACTCTTACCGTGCCTACCGAGTGGGCCCGAAAGCANTTCGTGTACAGCATTCCGC
TGGGCTACTCCCTAGACCGCTGGCTGCCTGCTCTTGTGTTTGTGGACTCTCCGCGGAGGT
GAAGGGCTGCCCCAAAACCTGTTTTTTCAGGGTTAAGCGCCTTATGCCAGTGTCTCTC
ATGGACTT

Restriction Sites:	NotI-NotI
ACCN:	NM_152468
Insert Size:	2500 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_152468.3 , NP_689681.2
RefSeq Size:	4419 bp
RefSeq ORF:	4419 bp
Locus ID:	147138
UniProt ID:	Q8IU68
Cytogenetics:	17q25.3
Protein Families:	Transmembrane

Gene Summary:

Epidermodysplasia verruciformis (EV) is an autosomal recessive dermatosis characterized by abnormal susceptibility to human papillomaviruses (HPVs) and a high rate of progression to squamous cell carcinoma on sun-exposed skin. EV is caused by mutations in either of two adjacent genes located on chromosome 17q25.3. Both of these genes encode integral membrane proteins that localize to the endoplasmic reticulum and are predicted to form transmembrane channels. This gene encodes a transmembrane channel-like protein with 8 predicted transmembrane domains and 3 leucine zipper motifs. [provided by RefSeq, Jul 2008]