

Product datasheet for **SC325171**

ERVWE1 (ERVW-1) (NM_001130925) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERVWE1 (ERVW-1) (NM_001130925) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERVWE1
Synonyms:	ENV; ENVW; ERVWE1; HERV-7q; HERV-W-ENV; HERV7Q; HERVW; HERVWENV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001130925, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGCCCTCCCTATCATATTTTCTCTTTACTGTTCTTTTACCCTCTTTCACCTCACTCACT GCACCCCTCCATGCCGCTGTATGACCACTAGCTCCCTTACCAAGAGTTTCTATGGAGA ATGCAGCGTCCCGGAAATATTGATGCCCATCGTATAGGAGTCTTTCTAAGGGAACCCCC ACCTTCACTGCCACACCCATATGCCCCGCACTGCTATCACTCTGCCACTCTTTCATG CATGCAAACTACTATTATTGGACAGGAAAAATGATTAATCCTAGTTGTCCTGGAGGACTT GGAGTCACTGTCTGTTGGACTTACTTCACCCAACTGGTATGTCTGATGGGGTGGAGTT CAAGATCAGGCAAGAGAAAAACATGTAAAAGAAGTAATCTCCCACTCACCCGGGTACAT GGCACCTCTAGCCCTACAAAGGACTAGATCTCTCAAACTACATGAAACCTCCGTACC CATACTCGCTGGTAAGCCTATTTAATACCACCCTCACTGGGCTCCATGAGGTCTCGGCC CAAAACCTACTAAGTGTGGATATGCCTCCCCCTGAAGTTCAGGCCATATGTTTCAATC CCTGTACCTGAACAATGGAACAACCTTCAGCACAGAAATAAACCACTTCCGTTTTAGTA GGACCTCTTGTTCGAATCTGGAAATAACCCATACCTCAAACCTCACCTGTGAAAAATTT AGCAATACTACATACACAACCACTCCCAATGCATCAGGTGGGTAAGTCTCCACACAA ATAGTCTGCCTACCTCAGGAATATTTTTGTCTGTGGTACCTCAGCCTATCGTTGTTTG AATGGCTCTTCAGAATCTATGTGCTTCTCTATTCTTAGTGCCCTATGACCCTAC ACTGAACAAGATTATACAGTTATGTCATATCTAAGCCCCGCAACAAAGAGTACCCATT CTTCCTTTTGTATAGGAGCAGGAGTGCTAGGTGCACTAGGTACTGGCATTGGCGGTATC ACAACCTCTACTAGTTCTACTACAACTATCTCAAGAACTAAATGGGGACATGGAACGG GTCGCCGACTCCCTGGTCACCTTGCAAGATCACTTAAGTCCCTAGCAGCAGTAGTCCTT CAAAATCGAAGAGCTTTAGACTTGCTAACCCTGAAAGAGGGGGAACCTGTTATTTTAA GGGGAAGAATGCTGTTATTATGTTAATCAATCCGGAATCGTCACTGAGAAAGTAAAGAA ATTGAGATCGAATACAACGTAGAGCAGAGGAGCTTCGAAACACTGGACCCTGGGCGCTC CTCAGCCAATGGATGCCCTGGATTCTCCCTTCTTAGGACCTCTAGCAGCTATAATATTG CTACTCTCTTTGGACCCTGTATCTTTAACCTCCTTGTAACTTTGTCTCTCCAGAATC GAAGCTGTAAACTACAAATGGAGCCCAAGATGCAGTCCAAGACTAAGATCTACCGCAGA CCCCTGGACCGGCTGCTAGCCACGATCTGATGTTAATGACATCAAAGGCACCCCTCT GAGGAAATCTCAGCTGCACAACCTCTACTACGCCCAATTCAGCAGGAAGCAGT </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001130925
OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>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.</p>

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:	<ol style="list-style-type: none"> 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:	<u>NM_001130925.1, NP_001124397.1</u>
RefSeq Size:	2781 bp
RefSeq ORF:	1617 bp
Locus ID:	30816
UniProt ID:	<u>Q9UQF0</u>
Cytogenetics:	7q21.2
Protein Families:	Transmembrane
Gene Summary:	<p>Many different human endogenous retrovirus (HERV) families are expressed in normal placental tissue at high levels, suggesting that HERVs are functionally important in reproduction. This gene is part of an HERV provirus on chromosome 7 that has inactivating mutations in the gag and pol genes. This gene is the envelope glycoprotein gene which appears to have been selectively preserved. The gene's protein product is expressed in the placental syncytiotrophoblast and is involved in fusion of the cytotrophoblast cells to form the syncytial layer of the placenta. The protein has the characteristics of a typical retroviral envelope protein, including a furin cleavage site that separates the surface (SU) and transmembrane (TM) proteins which form a heterodimer. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Mar 2010]</p> <p>Transcript Variant: This variant (2) has an alternate 5' UTR, as compared to variant 1. Variants 1 and 2 encode the same protein.</p>