

Product datasheet for **SC327621**

EWSR1 (NM_001163285) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EWSR1 (NM_001163285) Human Untagged Clone
Tag:	Tag Free
Symbol:	EWSR1
Synonyms:	bK984G1.4; EWS; EWS-FLI1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001163285, the custom clone sequence may differ by one or more nucleotides

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ATGGCGTCCACGGATTACAGTACCTATAGCCAAGCTGCAGCGCAGCAGGGCTACAGTGCT
TACACCGCCAGCCCACTCAAGGATATGCACAGACCACCCAGGCATATGGGCAACAAAGC
TATGGAACCTATGGACAGCCACTGATGTCAGCTATACCCAGGCTCAGACCACTGCAACC
TATGGGCAGACCCTATGCAACTTCTTATGGACAGCCTCCCACTGGTTATACTACTCCA
ACTGCCCCCAGGCATACAGCCAGCCTGTCCAGGGGTATGGCACTGGTGTATGATACC
ACCACTGCTACAGTCACCACCACCCAGGCCTCCTATGCAGCTCAGTCTGCATATGGCACT
CAGCCTGCTTATCCAGCCTATGGCAGCAGCCAGCAGCCACTGCACCTACAAGACCCGAG
GATGGAACAAGCCCACTGAGACTAGTCAACCTCAATCTAGCACAGGGGGTTACAACCAG
CCCAGCCTAGGATATGGACAGAGTAACTACAGTTATCCCAGGTACCTGGGAGCTACCC
ATGCAGCCAGTCACTGCACCTCCATCCTACCCTCCTACCAGCTATTCTCTACACAGCCG
ACTAGTTATGATCAGAGCAGTTACTCTCAGCAGAACACCTATGGGCAACCGAGCAGCTAT
GGACAGCAGAGTAGCTATGGTCAACAAAGCAGCTATGGGCAGCAGCCTCCCACTAGTTAC
CCACCCAAACTGGATCCTACAGCCAAGCTCCAAGTCAATATAGCCAACAGAGCAGCAGC
TACGGGCAGCAGAGTTTATTCCGACAGGACCACCCAGTAGCATGGGTGTTTATGGGCAG
GAGTCTGGAGGATTTCCGGACCAGGAGAGAACCAGGAGCATGAGTGGCCCTGATAACCGG
GGCAGGGGAAGAGGGGGATTTGATCGTGGAGGCATGAGCAGAGGTTGGCGGGGAGGAGGA
CGCGGTGGAAATGGGCGCTGGAGAGCGAGGTGGCTTCAATAAGCCTGGTGGACCCATGGAT
GAAGGACCAGATCTTGATCTAGGCCACCTGTAGATCCAGATGAAGACTCTGACAACAGT
GCAATTTATGTACAAGGATTAATGACAGTGTGACTCTAGATGATCTGGCAGACTTCTTT
AAGCAGTGTGGGGTTGTTAAGATGAACAAGAGAAGTGGCAACCCATGATCCACATCTAC
CTGGACAAGGAAACAGGAAAGCCAAAGGCGATGCCACAGTGTCTATGAAGACCCACCC
ACTGCCAAGGCTGCCGTGGAATGGTTTGGTGGAAAGATTTTCAAGGGAGCAAACCTAAA
GTCTCCCTTGTCTCGAAGAAGCCTCCAATGAACAGTATGCGGGGTGGTCTGCCACCCCGT
GAGGGCAGAGGCATGCCACCACCACTCCGTGGAGGTCCAGGAGGCCAGGAGGTCTGGG
GGACCCATGGGTGCGATGGGAGGCCGTGGAGGAGATAGAGGAGGCTTCCCTCCAAGAGGA
CCCCGGGGTTCGAGGGAAACCCCTCTGGAGGAGGAAACGTCCAGCACCGAGCTGGAGAC
TGGCAGTGTCCAATCCGGTGTGGAAACCAGAACTTCGCTGGAGAACAGAGTGAAC
CAGTGTAAGGCCCAAAGCCTGAAGCTTCTCCCGCCACCTTTCGCCCCGGGTGGT
GATCGTGGCAGAGGTGGCCCTGGTGGCATGCGGGGAGGAAGAGGTGGCCTCATGGATCGT
GGTGGTCCCGGTGGAATGTTAGAGGTGGCCGTGGTGGAGACAGAGGTGGCTTCCGTGGT
GGCCGGGGCATGGACCGAGGTGGCTTGGTGGAGGAAGACGAGGTGGCCCTGGGGGGCC
CCTGGACCTTTGATGGAACAGATGGGAGGAAGAAGAGGAGGACGTGGAGGACCTGAAAA
ATGGATAAAGGCGAGCACCGTCAGGAGCGCAGAGATCGGCCCTAC

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Restriction Sites: Please inquire

ACCN: NM_001163285

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:	<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_001163285.1</u> , <u>NP_001156757.1</u>
RefSeq Size:	2676 bp
RefSeq ORF:	1968 bp
Locus ID:	2130
UniProt ID:	<u>Q01844</u>
Cytogenetics:	22q12.2
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
Gene Summary:	<p>This gene encodes a multifunctional protein that is involved in various cellular processes, including gene expression, cell signaling, and RNA processing and transport. The protein includes an N-terminal transcriptional activation domain and a C-terminal RNA-binding domain. Chromosomal translocations between this gene and various genes encoding transcription factors result in the production of chimeric proteins that are involved in tumorigenesis. These chimeric proteins usually consist of the N-terminal transcriptional activation domain of this protein fused to the C-terminal DNA-binding domain of the transcription factor protein. Mutations in this gene, specifically a t(11;22)(q24;q12) translocation, are known to cause Ewing sarcoma as well as neuroectodermal and various other tumors. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1 and 14. [provided by RefSeq, Jul 2009]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon in the coding region, compared to variant 1, resulting in an isoform (3) that is shorter than isoform 1.</p>