

## Product datasheet for **RC203709**

### **EWSR1 (NM\_005243) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	EWSR1 (NM_005243) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EWSR1
Synonyms:	bK984G1.4; EWS; EWS-FLI1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC203709 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

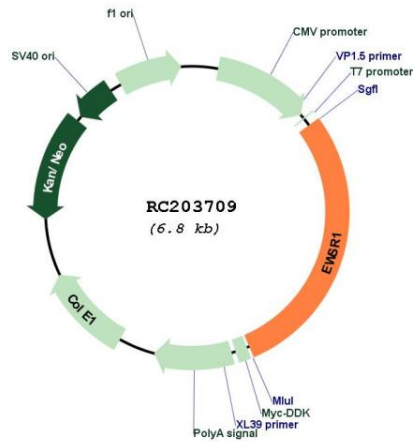
ATGGCGTCCACGGATTACAGTACCTATAGCCAAGCTGCAGCGCAGCAGGGCTACAGTGCTTACACCGCCC  
AGCCCACTCAAGGATATGCACAGACCACCCAGGCATATGGGCAACAAAGCTATGGAACCTATGGACAGCC  
CACTGATGTCAGCTATACCCAGGCTCAGACCCTGCAACCTATGGGCAGACCCGCCTATGCAACTTCTTAT  
GGACAGCCTCCCCTGTTATACTACTCCAAGTCCCGCCAGGCATACAGCCAGCCTGTCCAGGGGTATG  
GCACTGGTGCTTATGATACCACCACTGCTACAGTACCACCACCCAGGCCTCCTATGCAGCTCAGTCTGC  
ATATGGCACTCAGCCTGCTTATCCAGCCTATGGGCAGCAGCCAGCAGCCACTGCACCTACAAGACCCGAG  
GATGGAACAAGCCCACTGAGACTAGTCAACCTCAATCTAGCACAGGGGGTTACAACCAACCCAGCCTAG  
GATATGGACAGAGTAACACAGTTATCCCAGGTACCTGGGAGCTACCCATGCAGCCAGTCACTGCACC  
TCCATCCTACCCTCCTACCAGCTATTCTCTACACAGCCGACTAGTTATGATCAGAGCAGTTACTCTCAG  
CAGAACACCTATGGGCAACCCAGCAGCTATGGACAGCAGAGTAGCTATGGTCAACAAAGCAGCTATGGGC  
AGCAGCCTCCCCTAGTTACCCACCCAAACTGGATCCTACAGCCAAGCTCCAAGTCAATATAGCCAACA  
GAGCAGCAGCTACGGGCAGCAGAGTTTATTCCGACAGGACCACCCAGTAGCATGGGTGTTTATGGGCAG  
GAGTCTGGAGGATTTCCGGACCAGGAGAGAACCCGAGCATGAGTGGCCCTGATAACCGGGCAGGGGAA  
GAGGGGGATTTGATCGTGGAGGCATGAGCAGAGGTGGCGGGGAGGAGGACGCGGTGGAATGGGCCTGG  
AGAGCGAGGTGGCTTCAATAAGCCTGGTGGACCATGGATGAAGGACAGATCTTGATCTAGGCCACCT  
GTAGATCCAGATGAAGACTCTGACAACAGTGAATTTATGTACAAGGATTAATGACAGTGTGACTCTAG  
ATGATCTGGCAGACTTCTTTAAGCAGTGTGGGGTTGTTAAGATGAACAAGAGAAGTGGGCAACCCATGAT  
CCACATCTACCTGGACAAGGAAACAGGAAAGCCAAAGGCGATGCCACAGTGTCCCTATGAAGACCCACCC  
ACTGCCAAGGCTGCCGTGGAATGGTTTGTGGGAAAGATTTTCAAGGGAGCAAACCTTAAAGTCTCCCTTG  
CTCGGAAGAAGCCTCCAATGAACAGTATGCGGGGTGGTCTGCCACCCCGTGGGGCAGAGGCATGCCACC  
ACCACTCCGTGGAGGTCCAGGAGGCCAGGAGTCTGGGGGACCCATGGGTGCGATGGGAGGCCGTGGA  
GGAGATAGAGGAGGCTTCCCTCCAAGAGGACCCCGGGGTCCCGAGGGAACCCCTCTGGAGGAGGAAACG  
TCCAGCACCGAGCTGGAGACTGGCAGTGTCCCAATCCGGGTGTGGAAACCAGAAGTTCGCTGGAGAAC  
AGAGTGAACCAAGTGAAGGCCCAAAGCCTGAAGGCTTCTCCCGCCACCCCTTCCGCCCCGGGTGGT  
GATCGTGGCAGAGGTGGCCCTGGTGGCATGCGGGGAGGAAGAGGTGGCCATGGATCGTGGTGGTCCCG  
GTGGAATGTTAGAGGTGGCCGTGGTGGAGACAGAGGTGGCTTCCGTGGTGGCCGGGCATGGACCAGG  
TGGCTTTGGTGGAGGAAGACGAGGTGGCCCTGGGGGGCCCTGGACCTTTGATGGAACAGATGGGAGGA  
AGAAGAGGAGGACGTGGAGGACCTGAAAAATGGATAAAGGCGAGCACCGTCAAGAGCGCAGAGATCGGC  
CCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

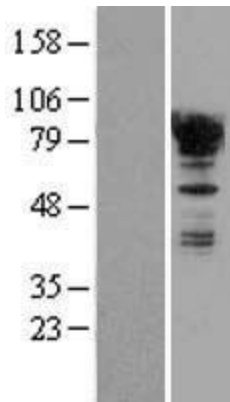


<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_005243.4</a>
<b>RefSeq Size:</b>	2679 bp
<b>RefSeq ORF:</b>	1971 bp
<b>Locus ID:</b>	2130
<b>UniProt ID:</b>	<a href="#">Q01844</a>
<b>Cytogenetics:</b>	22q12.2
<b>Domains:</b>	RRM, zf-RanBP
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
<b>MW:</b>	68.4 kDa
<b>Gene Summary:</b>	<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>

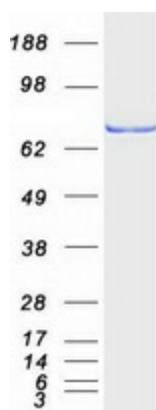
Product images:



Circular map for RC203709



Western blot validation of overexpression lysate (Cat# [LY401610]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203709 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified EWSR1 protein (Cat# [TP303709]). The protein was produced from HEK293T cells transfected with EWSR1 cDNA clone (Cat# RC203709) using MegaTran 2.0 (Cat# [TT210002]).