

Product datasheet for **RC228486**

EWSR1 (NM_001163286) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EWSR1 (NM_001163286) 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)



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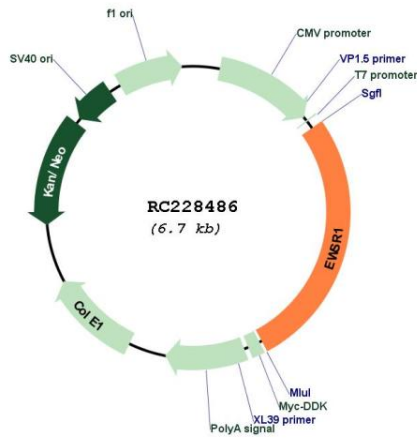
Cytogenetics: 22q12.2

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

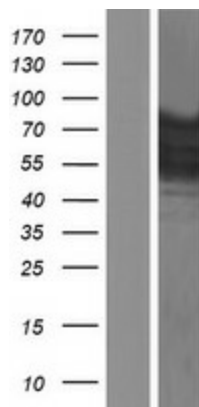
MW: 62.3 kDa

Gene Summary: 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]

Product images:



Circular map for RC228486



Western blot validation of overexpression lysate (Cat# [LY431514]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228486 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).