

EWSR1 抗原（重组蛋白）

中文名称：EWSR1 抗原（重组蛋白）

英文名称：EWSR1 Antigen (Recombinant Protein)

别名：EWS; EWS-FLI1; bK984G1.4

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 1-200 amino acids of human EWSR1

技术规格：

Full name:	EWS RNA binding protein 1
Synonyms:	EWS; EWS-FLI1; bK984G1.4
Swissprot:	Q01844
Gene Accession:	BC000527
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	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.