

Recombinant Human EWSR1 Protein, GST-tagged

Cat. No. EWSR1-3553H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EWSR1 partial ORF (NP_005234, 358 a.a. - 453 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	36.3 kDa
AA Sequence	SDNSAIYVQGLNDSVTLDDLADFFKQCGVVKMNKRTGQPMIHIYLDKETGKPKGDAT VSYEDPPTAKAAVEWFDGKDFQGSKLKVSLARKKPPMNS

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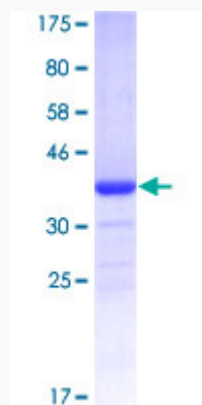
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	EWSR1 Ewing sarcoma breakpoint region 1 [Homo sapiens]
Official Symbol	EWSR1
Synonyms	EWSR1; Ewing sarcoma breakpoint region 1; RNA-binding protein EWS; EWS; Ewings sarcoma EWS-Flt1 (type 1) oncogene; bK984G1.4;
Gene ID	2130
mRNA Refseq	NM_001163285
Protein Refseq	NP_001156757
MIM	133450
UniProt ID	Q01844

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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