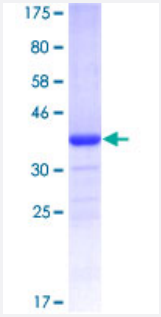
EWSR1 (Human) Recombinant Protein (Q01)

Catalog # H00002130-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EWSR1 partial ORF (NP_005234, 358 a.a. - 453 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SDNSAIYVQGLNDSVTLDDLADFFKQCGVVKMNKRTGQPMIHIYLDKETGKPKGDATVSYEDPPT AKAAVEWFDGKDFQGSKLKVSLARKKPPMNS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.3
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — EWSR1

Entrez GeneID	2130
GeneBank Accession#	NM_005243
Protein Accession#	NP_005234
Gene Name	EWSR1
Gene Alias	EWS
Gene Description	Ewing sarcoma breakpoint region 1
Omim ID	133450
Gene Ontology	Hyperlink
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
Other Designations	Ewings sarcoma EWS-Fli1 (type 1) oncogene|bK984G1.4 (Ewing sarcoma breakpoint region 1 protein)