

## Product datasheet for PH303709

### EWSR1 (NM\_005243) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	EWSR1 MS Standard C13 and N15-labeled recombinant protein (NP_005234)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203709
Predicted MW:	68.4 kDa
Protein Sequence:	>RC203709 protein sequence Red=Cloning site Green=Tags(s)

MASTDYSTYSQAAAQGGYSAYTAQPTQGYAQTQAYGQQSYGTYGQPTDVSYTQAQTTATYGTAYATSY  
GQPPTGYTTPTAPQAYSQPVQGYGTGAYDTTATVTTTQASYAAQSAYGTQPAYPAYGQQPAATAPTRPQ  
DGNKPTETSQPQSSTGGYNQPSLGYGQSNYSYPQVPGSYPMQPVTAPPSYPPTSYSSTQPTSYPDQSSYSQ  
QNTYGGPSSYGQQSSYGQQPPTSYPPTGTSYSQAPSQYSQQSSSYGQQSSFRQDHPSSMGVYGG  
ESGGFSGPGENRSMSPDNRGRGRGGFDRGGMSRGGGGGGMGAGERGGFNKPGGPMDEGPLDLGPP  
VDPDESDNSAIYVQGLNDSVTLDDLADFFKQCGVVKMNKRTGQPMIHIYLDKETGKPKGDATVSYEDPP  
TAKAAVEWFDGKDFQGSKLVSLARKKPPMNSMRGGLPPREGRGMPPLRGGPGGPGGPGMGRMGGRG  
GDRGGFPFRGPRGSRGNPSGGGNVQHRAGDWQCPNPGCGNQNF AWRTECNQCKAPKPEGLPPPPPPGG  
DRGRRGGPMRGGRRGLMDRGGPGGMFRGGRGGDRGGFRGGRGMDRGGF GGGRRGGPGGPPGLMEQMG  
RRGRRGGPGKMDKGEHRQERRDRPY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_005234</a>
RefSeq Size:	2679



[View online »](#)

RefSeq ORF: 1965

Synonyms: bK984G1.4; EWS; EWS-FLI1

Locus ID: 2130

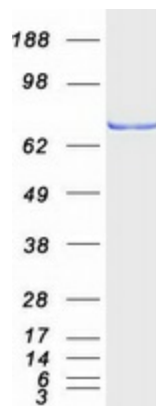
UniProt ID: [Q01844](#)

Cytogenetics: 22q12.2

**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]

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

### Product images:



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]).