RNA-Binding Protein EWS (EWSR1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	RNA-binding protein EWS (Ewsr1), Recombinant Protein
Full Product Name	Recombinant Mouse RNA-binding protein EWS (Ewsr1)
Product Gene Name	Ewsr1 recombinant protein
Product Synonym Gene Name	Ewsr1
Sequence	MASTDYSTYS QAAAQQGYSA YTAQPTQGYA QTTQAYGQQS YGTYGQPTDV SYTQAQTTAT YGQTAYATSY GQPPTGYSTP TAPQAYSQPV QGYGTGTYDS TTATVTTTQA SYAAQTAYGT QPAYPTYGQQ PTATAPTRPQ DGNKPAETSQ PQSSTGGYNQ PSLGYGQSNY SYPQVPGSYP MQPVTAPPSY PPTSYSSSQP TSYDQSSYSQ QNTYGQPSSY GQQSSYGQQS SYGQQPPTSY PPQTGSYSQA PSQYSQQSSS YGQQSSFRQD HPSSMGVYGQ ESGGFSGPGE NRSLSGPDNR GRGRGGFDRG GMSRGGRGGG RGGLGAGERG GFNKPGGPMD EGPDLDLGLP IDPDEDSDNS AIYVQGLNDN VTLDDLADFF KQCGVVKMNK RTGQPMIHIY LDKETGKPKG DATVSYEDPP TAKAAVEWFD GKDFQGSKLK VSLARKKPPM NSMRGGMPPR EGRGMPPPLR GGPGGPGGPG GPMGRMGGRG GDRGGFPPRG PRGSRGNPSG GGNVQHRAGD WQCPNPGCGN QNFAWRTECN QCKAPKPEGF LPPPFPPPGG DRGRGGPGGM RGGRGGLMDR GGPGGMFRGG RGGDRGGFRG GRGMDRGGFG GGRRGGPGGP PGPLMEQMGG RRGGRGGPGK MDKGEHRQER RDRPY
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	68,462 Da
Sequence Positions	1-655, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q61545
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ewsr1 recombinant protein	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.
Other Notes	Small volumes of Ewsr1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for Ewsr1 purchase	MBS1474352 is a recombinant protein targeting Ewsr1. Also known as Recombinant Mouse RNA-binding protein EWS (Ewsr1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Ewsr1. It may not necessarily be applicable to this product.

NCBI GI #	88853581
NCBI GeneID	14030
NCBI Accession #	NP_031994.2
UniProt Primary Accession #	Q61545
UniProt Secondary Accession #	Q9D2P0
UniProt Related Accession #	Q61545
GenBank Nucleotide #	NM_007968.3
NCBI Official Full Name	RNA-binding protein EWS isoform 2
NCBI Official Synonym Full Names	Ewing sarcoma breakpoint region 1
NCBI Official Symbol	Ewsr1
NCBI Official Synonym Symbols	Ews; Ewsh
UniProt Protein Name	RNA-binding protein EWS
Protein Family	RNA-binding protein
UniProt Gene Name	Ewsr1
UniProt Synonym Gene Names	Ews; Ewsh
NCBI Protein Information	RNA-binding protein EWS
UniProt Comments for Ewsr1	Might function as a transcriptional repressor.
Research Articles on Ewsr1	**1.** Authors found that FUS, EWS and TAF15 expression is differentially regulated during brain development, both in time and in space. In particular, this study identifies a fine-tuned regulation of FUS and EWS during neuronal differentiation.
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