

Product datasheet for **MR216458**

Zrsr1 (NM_011663) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zrsr1 (NM_011663) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zrsr1
Synonyms:	D11Ncvs75; Irlgs2; SP2; U2af1-rs1; U2afbp-rs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR216458 representing NM_011663
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCATCACGGCAGACCGCATTCCTGAGAACTCAGCCGAAAACAATACAAGCGGCAATGAAGAAGG
 AGAAACGCAAGAAACGTCGGCAGAAAATGGCTCGGCTGAGAGCTCTGGAAGCCCCACCAGAGGAGACGA
 TGATGTTTCTGCTAACGAAGAATTGCAGAGCGATTACTGGAGATAGAGCGGCAAAGATTACATGAAGAG
 TGGCTGCTGAGGGAGGAGAAGGCGCAAGAAGAATTAGAATAAAGAAGAAAAAGGAAGAGGCCGCTAGAA
 AACAGAAGGAAGAACAGGAGAGACAAAATAAGGCCGAGTGGGAAGAACAACAGAAAAACAGAGAGAGGA
 GGAGGAGCAGAAGCTACAGGAGAAGAGAGAGGGAGGAAGCGGTGCAGAAAATGCTGGACCAGGCTGAA
 AATGAGCGCATTTGGCAGAACC CGAACCCCAAGGATTTAAGGCTGGAGAAAATCGACCCAGTTGTC
 CCTTCTACAATAAAACGGGAGCGTGCAGATTTGGTAACAGATGTTACGGAAAACAGACTTCCCACGTC
 AAGTCCCACCTTCTTGTGAAGAGTATGTTTACAACGTTTGAATGGAGCAGTGCAGAAGGGATGACTAT
 GACTCAGACGCAACCTGGAGTACAGTGAAGGAGAGACCTACCAGCAGTTCTTGGATTTCTACCATGACC
 TGCTGCCGGAGTTCAAGAACGTGGGAAAGGTGATTTCAGTTCAAAGTAAGCTGCAACCTGGAACCTCATCT
 GCGGGGCAATGTGTATGTTCAAGTACCAGTCCGGAAGAAGATGCCAAGCAGCCCTCTCTCTTTAATGGA
 AGATGGTACGCAGGACGACAGCTCCAGTGTGAATTCTGTCCAGTACCCGGTGGAAAGGTTGCAATTTGTG
 GTTTATTCGAAATGCAAAAGTGTCCAAAAGGAAAGCACTGCAACTTCTTTCATGTGTTTCAGAAATCCCAA
 CAACGAATTTAGAGAAGCTAACAGAGACATCTACATGTCTCCTCCGGCTTGGACTGGCTCCTCTGGTAAA
 AACTCAGACAGGAGGAAAGGAAAGGACCATCATGAGGAATACTATAGCAAGTCAAGAAGCTACCACTCTG
 GTTCATACCACTCCTCCAAGAGAAACAGGGAGTCCGAGAGGAAGAGTCTCACAGGTGGAAGAAATCTCA
 CAAACAGACAACGAAGAGTCATGAGAGGCACAGTTCAAGAAGAGGAAGAGAAAGAGGACAGCAGTCCAGGT
 CCACAAAGCCAGACCCACAGAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216458 representing NM_011663
 Red=Cloning site Green=Tags(s)

MASRQTAIPEKLSRKQYKAAMKKEKRKKRRQKMARLRALEAPPEEDDDVSANEELAERLLEIERQRLHEE
 WLLREEKAQEEFRIRKKKKEEAARKQKEEQERQIKAWEWEEQKKQREEEQKLQEKREEEAVQKMLDQAE
 NERIWQNPEPPKDLRLEKYRPSCPFYNKTGACRFGNRCSRKHDFPTSSPTLLVKSMFTTFGMEQCRRDDY
 DSDANLEYSEEEYQQFLDFYHDVLPFKNVGKVIQFKVSCNLEPHLRGNVYVYQYQSEEECQAALSLFNG
 RWYAGRQLQCEFCPVTRWKVAICGLFEMQKCPKKGKHCNHLHVFRNPNEFRANRDIYMSPPAWTGSSGK
 NSDRRERKDHHEEYYSKRSYHSGSYHSSKRNRRESERKSPHRWKKSHKQTKSHERHSSRRGREEDSSPG
 PQSQSHRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9089_e01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_011663

ORF Size: 1284 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_011663.3](#), [NP_035793.1](#)

RefSeq Size: 4492 bp

RefSeq ORF: 1287 bp

Locus ID: 22183

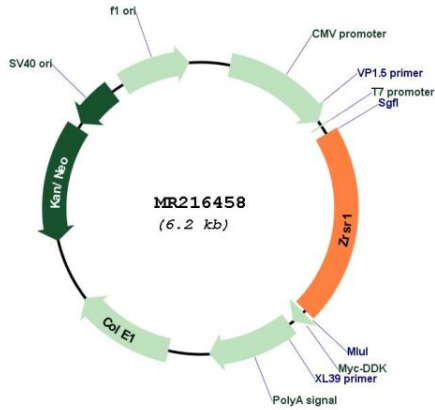
UniProt ID: [Q64707](#)

Cytogenetics: 11 14.24 cM

MW: 51.4 kDa

Gene Summary: Plays a role in splicing of the U12-type introns (PubMed:29617656). Implicated also in removal of U2 introns positioned adjacent to a U12 intron (PubMed:29617656). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216458