

Product datasheet for **MG216458**

Zrsr1 (NM_011663) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zrsr1 (NM_011663) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zrsr1
Synonyms:	D11Ncvs75; Irlgs2; SP2; U2af1-rs1; U2afbp-rs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216458 representing NM_011663 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATCACGGCAGACCGGATTCTGAGAACTCAGCCGAAAACAATACAAGGCGCAATGAAGAAGG
AGAAACGCAAGAAACGTCGGCAGAAAATGGCTCGGCTGAGAGCTCTGGAAGCCCCACCAGAGGAGGACGA
TGATGTTTCTGCTAACGAAGAATTGCAGAGCGATTACTGGAGATAGAGCGGCAAAGATTACATGAAGAG
TGGCTGCTGAGGGAGGAGAAGGCCAAGAAGAATTCAGAATAAAGAAGAAAAAGGAAGAGGCCGCTAGAA
AACAGAAGGAAGAACAGGAGAGACAAATAAGGCCGAGTGGGAAGAACAACAGAAAAACAGAGAGAGGA
GGAGGAGCAGAAGCTACAGGAGAAGAGAGAGGGAGGAAGCGGTGCAGAAAATGCTGGACCAGGCTGAA
AATGAGCGCATTTGGCAGAACCCGGAACCCCAAGGATTTAAGGCTGGAGAAAATATCGACCCAGTTGTC
CCTTCTACAATAAAACGGGAGCGTGCAGATTTGGTAACAGATGTTACGGAAAACAGACTTTCCACGTC
AAGTCCCACCTTCTTGTGAAGAGTATGTTTACAACGTTTGGAAATGGAGCAGTGCAGAAGGGATGACTAT
GACTCAGACGCAACCTGGAGTACAGTGAGGAGGAGACCTACCAGCAGTCTTGGATTTCTACCATGACG
TGCTGCCGGAGTCAAGAACGTGGGAAAGGTGATTCAGTTCAAAGTAAGCTGCAACCTGGAACCTCATCT
GCGGGGCAATGTGTATGTTTCAGTACCAGTCCGGAAGAAGAATGCCAAGCAGCCCTCTCTCTTTAATGGA
AGATGGTACGCAGGACGACAGTCCAGTGTGAATTCGTCCAGTGACCCGGTGGAAAGGTTGCAATTTGTG
GTTTATTGAAAATGCAAAAGTGTCCAAAAGGAAAGCACTGCAACTTCCTTCATGTGTTGAGAAAATCCCAA
CAACGAATTTAGAGAAGCTAACAGAGACATCTACATGTCTCCTCCGGCTTGGACTGGCTCCTCTGTTAA
AACTCAGACAGGAGGAAAGGAAGGACCATCATGAGGAATACTATAGCAAGTCAAGAAGCTACCACTCTG
GTTTCATACCACTCCTCAAGAGAAAACAGGGAGTCCGAGAGGAAGAGTCCACAGGTGGAAGAAATCTCA
CAAACAGACAACGAAGAGTCATGAGAGGCACAGTTCAGAAGAGGAAGAGAAGAGGACAGCAGTCCAGGT
CCAAAAGCCAGAGCCACAGAACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216458 representing NM_011663
 Red=Cloning site Green=Tags(s)

MASRQTAIPEKLSRKQYKAAMKKEKRKRKRQKMARLRALEAPPEEDDDVSANEELAERLLEIERQRLHEE
 WLLREEKAQEEFRIKKKKEEAARKQKEEQERQIKAWEWEEQKKQREEEQKLQEKREEREAVQKMLDQAE
 NERIWQNPEPPKDLRLEKYRPSCPFYNKTGACRFGNCRSRKHDFPTSSPTLLVKSMFTTFGMEQCRRDDY
 DSDANLEYSEEEYQQFLDFYHDVLPFKNVGKVIQFKVSCNLEPHLRGNVYVQYQSEEECQAALSLFNG
 RWYAGRQLQCEFPCVTRWVAICGLFEMQKCPKGKHCNLFHVFRNPNEFREANRDIYMSPPAWTGSSGK
 NSDRRERKDHHEEYYSKRSYHSGSYHSSKRNRSEKSPHRWKKSHKQTTKSHERHSSRRGREEDSSPG
 PQSQSHRT

TRTRPLE - GFP Tag - V

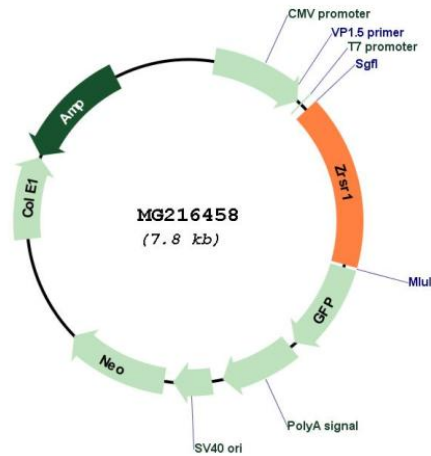
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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
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]