

## Product datasheet for **MR206818**

### Islr (NM\_012043) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Islr (NM_012043) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                 |
| Symbol:                   | Islr                                    |
| Synonyms:                 | AW553146; Meflin                        |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-Entry (PS100001)                  |
| E. coli Selection:        | Kanamycin (25 ug/mL)                    |



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**ORF Nucleotide Sequence:**

>MR206818 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATCGGGCACTGTGCCTGCTTTGTTGGGCTGTTCTCCTGAACCTGGTGGAGCTTGTCCAGAGCCCTGTG  
 ACTGTGGGGAGAAGTATGGCTTCCAGATTGCAGACTGTGCCTATCGTGACCTAGAGGGTGTGCCACCGGG  
 CTTCCCGGCCAATGTGACCACACTGAGCCTGTGAGCCAAACAGGCTGCCAGGCCTGCCGGAGGGAGCCTTC  
 AGGGAAGTGCCCTATTGCACTCGCTGTGGCTGGCACACAATGAGATCCGCTCGGTGGCTATTGGTGCTC  
 TGGCCCTCTGAGCCATCTCAAGAGTCTGGACCTCAGCCACAACCTCCTCTGAGTTTGCCTGGAGCGA  
 CCTGCACAACCTCAGCGCTCTGCAGCTGCTCAAGATGGACAGCAACGAGTTAGCCTTCATCCCTCGGGAC  
 GCCTTTAGCAGCCTCAGCGCCTGCGTTCCCTGCAGCTCAACCACAACCGCTGCACGCTTGGCCGAGG  
 GCACCTTCGACCGCTCACCAGCTGTCCACTGCAGATCAATGACAACCTTTGACTGCACCTGTGG  
 CATCGTGTGGTTCAAGACATGGGCCCTGGCCTCAGCGGTGTCTATTCCAGAACAGGACAACATTGCCTGT  
 ACTACACCCACGCTCCTGAAGGGTATCCCACTAGGCCCGCTGCCACCCCTGCCCTGCTCAGCTCCCTCAG  
 TGCAACTAAGCTACCAGCCAGCCAAGATGGAGCAGAGCTACGGCCTGGCTTCGTGCTGGCACTCCACTG  
 TGACGTGGATGGACAGCCAGTCCCCAGCTCCATTGGCACATTACACCCCGGGCGGCACGGTGGAGATC  
 GCCAGTCTAATGTAGGCACTGATGGACGTGCCCTGCCTGGTGCCTTGAACCAAGTGGGAGCCACGCT  
 TCCAGGCCTTTGCCAATGGCAGCCTGCTTATCCCTGACTTTGGCAAGCTGGAGGAGGGCACCTATAGCTG  
 CCTGGCCACCAATGAGCTAGGCAGTGGCGAAAGCTCTGTAATGTGGCATTGGCCACCCAGGTGAGGGG  
 GGAGAGGATGCTGTGGGGACAAGTCCATGGCAAAGCAGTGGAGGGCAAGGGCTGCTATACGGTTGACA  
 ACGAGGTACAGCCATCCGGACCGGAAGACAACGTGGTTATCATTTACCTCAGCCGTGCTGGGCCCCAGAG  
 AGCTGCAATAGCAGCAGACGGGAGGCTGCGCAGCAGTTCTCTGGCATACTTCTGCTAGGCCAAAGCCTG  
 CTGTTCTCTCTTTTCTACTTC

AC**CGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA**  
 TTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

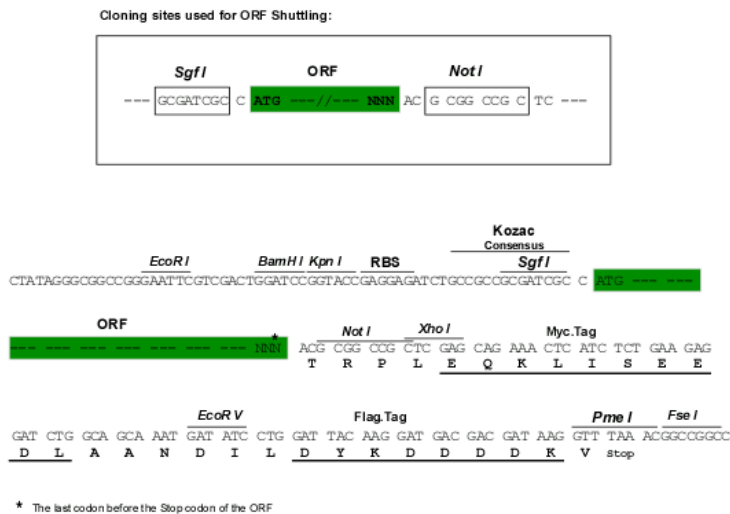
>MR206818 protein sequence  
 Red=Cloning site Green=Tags(s)

MRALCLLCWAVLLNLRACPEPCDCGEKYGFQIADCAYRDLEGVPPGFANVTTLSANRLPGLPEGAF  
 REVPLLQSLWLAHNEIRSVAIGALAPLSHLKSLDLSHNLLSEFAWSDLHNL SALQLLKMDSNELAFIPRD  
 AFSSL SALRSLQLNHNRLHALAEGTFAPLTALSHLQINDNPFDCGIVWFKTWALASAVSIPEQDNIAC  
 TTPHVLKGIPLGRLPPLPCSAPSVQLSYQPSQDGAELRPGFVLAHCDVDGQPVPLHWHIHTPGGTVEI  
 ASPNVGTDGRALPGALATSGQPRFQAFANGSLLIPDFGKLEEGTYSCLATNELGSAESSVVALATPGEG  
 GEDAVGHKFHGKAVEGKCYTVDNEVQPSGPEDNVVI IYLSRAGPPEAAIAADGRPAQQFSGILLLLGQSL  
 LVLSFFYF

**TRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

SgfI-NotI

**Cloning Scheme:**


**ACCN:** NM\_012043

**ORF Size:** 1287 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\\_012043.4](#)

**RefSeq Size:** 2243 bp

**RefSeq ORF:** 1287 bp

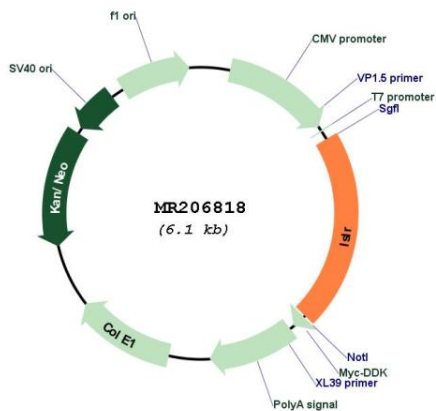
**Locus ID:** 26968

**UniProt ID:** [Q6GU68](#)

**Cytogenetics:** 9 B

MW: 45.6 kDa

Product images:



Circular map for MR206818