

Product datasheet for **MG206818**

Islr (NM_012043) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Islr (NM_012043) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Islr
Synonyms:	AW553146; Meflin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206818 representing NM_012043 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGGCACTGTGCCTGCTTTGTTGGGCTGTTCTCCTGAACCTGGTGCGAGCTTGCCAGAGCCCTGTG
ACTGTGGGGAGAAGTATGGCTTCCAGATTGCAGACTGTGCCTATCGTGACCTAGAGGGTGTGCCACCGGG
CTTCCCGCCAATGTGACCACACTGAGCCTGTGAGCCACAGGCTGCCAGGCCTGCCGAGGGAGCCTTC
AGGGAAGTGCCCTATTGCAGTCGCTGTGGCTGGCACACAATGAGATCCGCTCGTGGCTATTGGTGCTC
TGGCCCTCTGAGCCATCTCAAGAGTCTGGACCTCAGCCACAACCTCCTCTGAGTTTGCCTGGAGCGA
CCTGCACAACCTCAGCGCTCTGCAGCTGCTCAAGATGGACAGCAACGAGTTAGCCTTCATCCCTCGGGAC
GCCTTTAGCAGCCTCAGCGCCCTGCGTTCCCTGCAGCTCAACCACAACCGCCTGCACGCGTTGGCCGAGG
GCACCTTCGCACCGCTCACCGCGCTGTCCCACTTGAGATCAATGACAACCCCTTCGACTGCACCTGTGG
CATCGTGTGGTTCAAGACATGGGCCCTGGCCTCAGCGGTGCTATTCCAGAACAGGACAACATTGCCTGT
ACTACACCCACGTCCTGAAGGGTATCCCACTAGGCCGCTGCCACCCCTGCCCTGCTCAGCTCCCTCAG
TGCAACTAAGCTACCAGCCAGCCAAGATGGAGCAGAGCTACGGCCTGGCTTCGTGCTGGCACTCCACTG
TGACGTGGATGGACAGCCAGTCCCCAGCTCCATTGGCACATTCACACCCGGGGCGCACGGTGGAGATC
GCCAGTCTAATGTAGGCACTGATGGACGTGCCCTGCCCTGGTGCCTTGAACAGTGGGAGCCACGCTG
TCCAGGCCTTTGCCAATGGCAGCCTGCTTATCCCTGACTTTGGCAAGCTGGAGGAGGACACCTATAGCTG
CCTGGCCACCAATGAGCTAGGCAGTGCCGAAAGCTCTGTAATGTGGCATTGGCCACCCAGGTGAGGGG
GGAGAGGATGCTGTGGGGACAAGTTCCATGGCAAAGCAGTGGAGGGCAAGGGCTGCTATACGGTTGACA
ACGAGGTACAGCCATCCGGACCGGAAGACAACGTGGTTATCATTTACCTCAGCCGTGCTGGGCCCCAG
AGCTGCAATAGCAGCAGACGGGAGGCTGCGCAGCAGTTCTCTGGCATACTTCTGCTAGGCCAAAGCCTG
CTTGTCTCTCTTTTCTACTTC

ACGGGCCGCTCGAG - GFP Tag - GTTTAA



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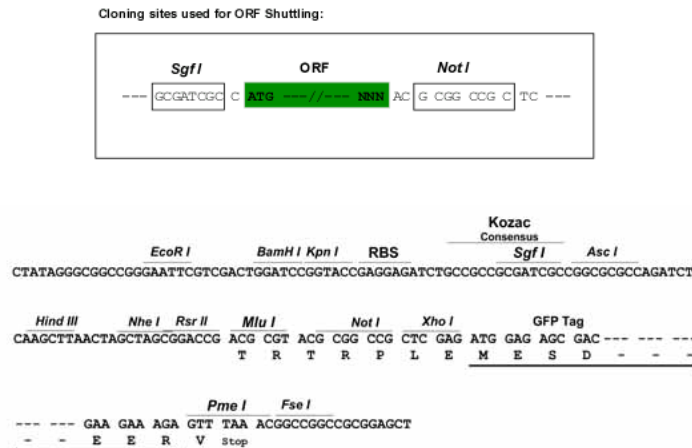
Protein Sequence: >MG206818 representing NM_012043
 Red=Cloning site Green=Tags(s)

MRALCLLCWAVLLNLRACPEPCDCGEKYGFQIADCAYRDLEGVPPGFANVTTLSLSANRLPGLPEGAF
 REVPLLQSLWLAHNEIRSVAI GALAPLSHLKSLDL SHNLLSEFAWSDLHNL SALQLLKMSNELAFIPRD
 AFSSL SALRSLQLNHNRLHALAEGTFAPLTALSHLQINDNPFDCGIVWFKTWALASAVSIPEQDNIAC
 TTPHV LKGIPLGRPLPLPC SAPSVQLSYQPSQDGAELRPGFVLALHCDVDGQPVVQLHWHIHTPGGTVEI
 ASPNVGTDGRALPGALATSGQPRFQAFANGSLLIPDFGKLEEGTY SCLATNELGSAESSVVALATPGEG
 GEDAVGHKFKHKA VEGKGCYTV DNEVQPSG PEDNVVIIYLSRAGPPEAAIAADGRPAQFSGILLLGQSL
 LVLSFFYF

TRPLE - GFP Tag - V

Restriction Sites: SgfI-NotI

Cloning Scheme:



ACCN: NM_012043

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_012043.4](#)

RefSeq Size: 2159 bp

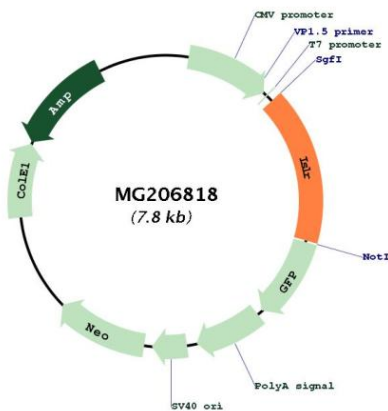
RefSeq ORF: 1287 bp

Locus ID: 26968

UniProt ID: [Q6GU68](#)

Cytogenetics: 9 B

Product images:



Circular map for MG206818