

Product datasheet for **RG205281**

ISLR (NM_201526) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ISLR (NM_201526) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ISLR
Synonyms: HsT17563; Meflin
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205281 representing NM_201526
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGGAGCTGCATCTGCTCTGGTGGGCGCTTCTCCTGGGCCTGGCTCAGGCCTGCCCTGAGCCCTGCG
 ACTGTGGGAAAAGTATGGCTTCAGATCGCCGACTGTGCCTACCGCGACCTAGAATCCGTGCCGCCTGG
 CTTCCCGCCAATGTGACTACACTGAGCCTGTGAGCAACCGGCTGCCAGGCTTGCCGGAGGGTGCCTTC
 AGGGAGGTGCCCTGCTGCAGTCGCTGTGGCTGGCACACAATGAGATCCGCACGGTGGCCCGGAGCC
 TGGCCTCTCTGAGCCATCTCAAGAGCCTGGACCTCAGCCACAATCTCATCTCTGACTTTGCCTGGAGCGA
 CCTGCACAACCTCAGTGCCTCCAATTGCTCAAGATGGACAGCAACGAGCTGACCTTCATCCCCCGCGAC
 GCCTTCCGCGACCTCCGTGCTCTGCGCTCGCTGCAACTCAACCACAACCGCTTGACACATTGGCCGAGG
 GCACCTTCAACCCGCTCACCGCGCTGTCCACCTGCAGATCAACGAGAACCCCTTCGACTGCACCTGCGG
 CATCGTGTGGCTCAAGACATGGGCCCTGACCACGGCCGTGTCCATCCCGGAGCAGGACAACATCGCCTGC
 ACCTACCCCATGTGCTCAAGGGTACACCGCTGAGCCGCTGCCGCCACTGCCATGCTCGGCGCCCTCAG
 TGCAGCTCAGTACCAACCCAGCCAGGATGGTGCCGAGCTGCGGCCTGGTTTTGTCTGGCACTGCAGTG
 TGATGTGGACGGGACGGCCCTCAGCTTCACTGGCACATCCAGATACCCAGTGGCATTGTGGAGATC
 ACCAGCCCAACGTGGGCACTGATGGGCGTCCCTGCCCTGGCACCCCTGTGGCCAGCTCCAGCCGCGCT
 TCCAGGCCTTTGCCAATGGCAGCCTGTTATCCCGACTTTGGCAAGCTGGAGGAAGGCACCTACAGCTG
 CCTGGCCACCAATGAGCTGGGCAGTGTGAGAGCTCAGTGGACGTGGCACTGGCCACGCCCGGTGAGGGT
 GGTGAGGACACACTGGGCGCAGGTTCCATGGCAAAGCGGTTGAGGGAAAGGGCTGCTATACGGTTGACA
 ACGAGGTGCAGCCATCAGGGCCGGAGGACAATGTGGTCATCATCTACCTCAGCCGTGCTGGGAACCTGA
 GGCTGCAGTCGCAGAAGGGTCCCTGGGCAGTGCCCCAGGCCTGCTCCTGCTGGGCCAAAGCCTCCTC
 CTCTTCTTCTCCTCACCTCCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205281 representing NM_201526
Red=Cloning site Green=Tags(s)

MQELHLLWVALLGLAQACPEPCDCGEKYGFQIADCAYRDLESVPPGFANVTTLSLSANRLPGLPEGAF
 REVPLLQSLWLAHNEIRTVAAGALASLHLKSLDLSHNLSDFAWSDLHNL SALQLLKMSNELTFIPRD
 AFRSLRALRSLQLNHNRLHTLAEGTFTPLTALSHLQINENPFDCGIVWLKTWALTAVSIPEQDNIAC
 TSPHVLKGTPLSRLPPLPCSAPSVQLSYQPSQDGAELRPGFVLAHCDVDGQPAPQLHWHIQIPSGIVEI
 TSPNVGTDGRALPGTPVASSQPRFQAFANGSLLIPDFGKLEEGTYSCLATNELGSAESSVDVALATPGEG
 GEDTLGRRFHGKAVEGKGCYTVDNEVQPSGPELVVVIYLSRAGNPEAAVAEGVPGQLPPGLLLLQSSL
 LFFFLTSF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_201526

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_201526.1](#), [NP_958934.1](#)

RefSeq Size: 2128 bp

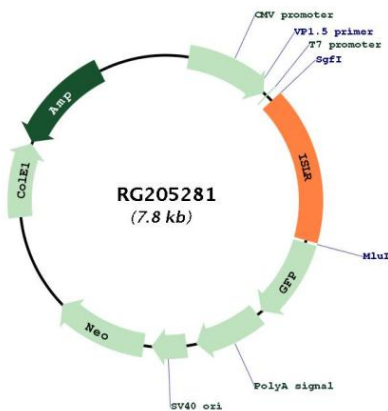
RefSeq ORF: 1287 bp

Locus ID: 3671

UniProt ID: [O14498](#)

Cytogenetics: 15q24.1

Product images:



Circular map for RG205281