

## Product datasheet for **SC304849**

### ISLR2 (NM\_020851) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ISLR2 (NM_020851) Human Untagged Clone
Tag:	Tag Free
Symbol:	ISLR2
Synonyms:	LINX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

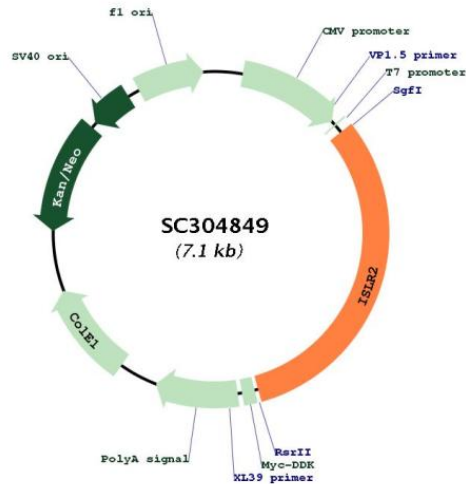


[View online »](#)

Fully Sequenced ORF: >SC304849 representing NM\_020851.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTCCCCCTTCGGGCCCTGTGGTTGGTCTGGGCGCTTCTAGGAGTGGCCGGATCATGCCCGAGCCG
TGCCGCTGCGTGGACAAGTACGCTACCCAGTTCGCGGACTGCGCTTACAAAGAGTTGCGTGAGGTGCCG
GAAGGACTGCTGCCAAGGTGACGACGCTTAGTCTGTCCGGAACAAGATCACTGTGCTGCGGCCGCGGG
GCCTTCGCCGACGTACACAGGTACGTCGCTGTGGCTGGCGCACAATGAGGTGCGCACCGTGGAGCCA
GGCGCACTGGCCGTGCTGAGTCAGCTCAAGAACCTCGATCTGAGCCACAACCTTCATATCCAGCTTCCG
TGGAGCGACTGCGCAACCTGAGCGCGCTGACGCTGCTCAAAATGAACCACAACCGCTGGGCTCTCTG
CCCCGGGACGCACTCGGTGCGCTACCCGACCTGCGTTCCTGCGCATCAACAACAACCGGCTGCGTACG
CTGGCGCCTGGCACCTTCGACGCGCTTAGCGCGCTGTCACTTGCAACTCTATCACAATCCCTCCAC
TGGCGCTGCGGCCTTGTGTGGCTGCAGGCTGGGCGCGAGACCCGGGTGTCTTACCCGAGCCCGAC
TCCATTGCTTGTGCTCGCTCCCGCGTGCAGGGGTGCGGTTGTAACCGCTGCCCGCCCTGCCCTGT
GCACCGCCACGCTGCATCTGAGTGCCGAGCACCGCTTGAAGCACCCGACCCCACTGCGCGCAGGA
CTGGCGTTGCTGTACACTGCATCGCCGACGGCCACCCTACGCTCGCTGCAATGGCAACTTCAGATC
CCCCTGGCACCGTAGTCTTAGAGCCACCGGTTCTGAGCGGGGAGGACGACGGGTTGGGGCGGAGGAA
GGAGAGGGAGAAGGAGATGGGGATTTGCTGACGACAGCCAAAGCCAAACGCCGACTCCAGCACCCGCT
TGGCCGGCGCCCCAGCCACACCGCGCTTCTGGCCCTCGAAATGGCTCCCTGTTGGTGCCCTCCTG
AGTGCCAAAGGAGCGGGCGTCTACACTTGCCGTGCACACAATGAGCTGGGCGCAACTCTACGTCAATA
CGCGTGGCGGTGGCAGCAACCGGGCCCCAAAACACGCGCTGGCGCCGGGGGAGAACCAGCGGACAG
GCCCGACCTCTGAGCGCAAGTCCACAGCAAGGCGCGGGGCAACAGGTCTCTGCCTTCCAAACCGGAG
GGCAAAATCAAAGGCCAAGGCCTGGCCAAGGTCAGCATTCTCGGGGAGACCGAGACGGAGCCGGAGGAG
GACACAAGTGAGGGAGAGGAGGCCGAAGACCAGATCCTCGCGGACCCGGCGGAGGAGCAGCGCTGTGGC
AACGGGGACCCCTCTCGGTACGTTTCTAACACGCGTTCAACCAGAGCGCAGAGCTCAAGCCGACGCTC
TTCGAGCTGGGCGTCATCGCGCTGGATGTGGCGGAGCGGAGGCGCGGTTGACGCTGACTCCGCTGGCT
GCGCGCTGGGGCCCTGGGCCCGGGGGCTGGCGGAGCCCGGACCCGGGCGGCGACCCCTGCGCCTA
CTCTATCTGTGTCCAGCGGGGGCGGCGCGCAGTGCAGTGGTCCCGCTAGAGGAAGGCGTCAACGCC
TACTGGTTCGCGGCCTGCGGCCGGTACCAACTACTCCGTGTGCTGGCGCTGGCGGGCAAGCCCTGC
CACGTGCAAGTGGTGTTCACCAAGAAGGAGTCCCATCGCTGCTGGTCAATGTCAGTGGCAGTGGCGTA
TTCCTCCTGGTGTGTCACAGTGGCCACAGTGGCCCTTCTGGGCGCCGCTGCTGCCATCTGCTGGCTAAACCCG
GGCAAGCCCTACCGTCTGATCCTGCGGCCCTCAGGCCCTGACCCTATGGAGAAGCGCATCGCCGAGAC
TTCGACCCCGTGTCTGTAACCTCGAGTCCGAGAAAAGCTACCCGGCAGGCGGCGAGGCGGGCGGCGAG
GAGCCAGAGGACGTGCAGGGGGAGGGCCTTGTGAAGACGCGGAGCAGGGAGACCCAAGTGGGGACCTG
CAGAGAGAGGAGACCTGGCGCCTGCTCACTGGTGGAGTCCCAGTCCAAGGCCAACCAAGAGGAGTTC
GAGGCGGGCTCTGAGTACAGCGATCGGCTGCCCTGGGCGCCGAGGCGGTCAACATCGCCAGGAGATT
AATGGCAACTACAGGCAGACGGCAGGCTGA
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
```

Restriction Sites: SgfI-RsrII

**Plasmid Map:**


**ACCN:** NM\_020851

**Insert Size:** 2238 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_020851.2](#)

**RefSeq Size:** 4402 bp

**RefSeq ORF:** 2238 bp

**Locus ID:** 57611

**UniProt ID:** [Q6UXK2](#)

<b>Cytogenetics:</b>	15q24.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	79 kDa
<b>Gene Summary:</b>	Required for axon extension during neural development.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All four transcripts encode the same protein.