

## Product datasheet for **SC326213**

### ISLR2 (NM\_001130137) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ISLR2 (NM_001130137) Human Untagged Clone
Tag:	Tag Free
Symbol:	ISLR2
Synonyms:	LINX
Vector:	<u>pCMV6 series</u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001130137, the custom clone sequence may differ by one or more nucleotides

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ATGTTCCCCCTTCGGGCCCTGTGGTTGGTCTGGGCGCTTCTAGGAGTGGCCGGATCATGC
CCGGAGCCGTGCGCCTGCGTGGACAAGTACGCTCACCAGTTTCGCGGACTGCGCTTACAAA
GAGTTGCGTGAGGTGCCGAAGGACTGCCTGCCAACGTGACGACGCTTAGTCTGTCCGCG
AACAAAGATCACTGTGCTGCGCGCGGGGCTTCGCCGACGTACACAGGTCACGTGCTG
TGGCTGGCCACAATGAGGTGCGCACCCGTGGAGCCAGGCGCACTGGCCGTGCTGAGTCAG
CTCAAGAACCTCGATCTGAGCCACAACCTCATATCCAGCTTTCGTTGGAGCGACCTGCGC
AACCTGAGCGCGCTGACGCTGCTCAAAATGAACCAACAACCGCTGGGCTCTCTGCCCCGG
GACGCACTCGGTGCGCTACCCGACCTGCGTTCCCTGCGCATCAACAACAACCGGCTGCGT
ACGCTGGCGCCTGGCACCTTCGACGCGCTTAGCGCGCTGTACACTTGCAACTCTATCAC
AATCCCTTCCACTGCGGCTGCGGCTTGTGTGGTGCAGGCTGGGCCGCGAGCACCCGG
GTGTCCTTACCCGAGCCGACTCCATTGCTTGTGCTCGCTCCCGCGCTGCAGGGGGTG
CCGGTGTACCGCTGCCGCCCTGCCCTGTGCACCGCCAGCGTGCATCTGAGTGCCGAG
CCACCGCTTGAAGCACCCGGCACCCACTGCGCGCAGGACTGGCGTTTCGTGTTACTACTGC
ATCGCCGACGCGCCACCCTACGCCTCGCCTGCAATGGCAACTTCAGATCCCGGTGGCACC
GTAGTCTTAGAGCCACCGGTTCTGAGCGGGGAGGACGACGGGTTGGGGCGGAGGAAGGA
GAGGGAGAAGGAGATGGGGATTTGCTGACGCAGACCCAAGCCAAACGCGACTCCAGCA
CCCGCTTGGCCGGCGCCCCAGCCACACCGCGCTTCTGGCCCTCGAAATGGCTCCCTG
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CTGGGCGCAACTCTACGTCAATACGCGTGGCGGTGGCAGCAACCGGGCCCCAAAACAC
GCGCTTGGCGCGGGGAGAACCCGACGGACAGGCCCGACCTCTGAGCGCAAGTCCACA
GCCAAGGGCCGGGCAACAGCGTCTGCTTCCAAACCGAGGGCAAAATCAAAGGCCAA
GGCTGGCCAAGTCAAGTTCGCGGGAGACCGAGACGGAGCCGGAGGAGGACACAAGT
GAGGGAGAGGAGGCCGAAGACCAGATCCTCGCGGACCCGCGGAGGAGCAGCGCTGTGGC
AACGGGGACCCCTCTCGGTACGTTTCTAACCACGCGTTCAACCAGAGCGCAGAGCTCAAG
CCGCACGTCTTCGAGCTGGGCGTCATCGCGCTGGATGTGGCGGAGCGGAGGGCGCGGGTG
CAGCTGACTCCGCTGGCTGCGCGCTGGGGCCCTGGGCCCGGGGGCTGGCGGAGCCCCG
CGACCCGGGCGGCGACCCCTGCGCCTACTCTATCTGTGTCCAGCGGGGGGGCGGCGGCA
GTGCAGTGGTCCCGCTAGAGGAAGGCGTCAACGCCTACTGGTTCGCGCGCTGCGGCCG
GGTACCAACTACTCCGTGTGCTGGCGTGGCGGGCGAAGCCTGCCACGTGCAAGTGGTG
TTTTCCACCAAGAAGGAGCTCCCATCGCTGCTGGTTCATAGTGGCAGTGAGCGTATTCCTC
CTGGTGCTGGCCACAGTGCCCTTCTGGGCGCCGCTGCTGCCATCTGCTGGCTAAACAC
CCGGGCAAGCCCTACCGTCTGATCCTGCGGCTCAGGCCCTGACCTATGGAGAAGCGC
ATCGCCGAGACTTCGACCCGCGTTCGTACCTCGAGTCCGAGAAAAGCTACCCGGCA
GGCGGCGAGGCGGGCGGCGAGGAGCCAGAGGACGTGCAGGGGGAGGGCCTTGATGAAGAC
GCGGAGCAGGGAGACCAAGTGGGGACCTGCAGAGAGAGGAGAGCCTGGCGGCTGCTCA
CTGGTGGAGTCCAGTCCAAGGCCAACCAAGAGGAGTTCGAGGGGGCTCTGAGTACAGC
GATCGGCTGCCCTGGGCGCCGAGGCGGTCAACATCGCCAGGAGATTAATGGCAACTAC
AGGCAGACGGCAGGC

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**Restriction Sites:** Please inquire

**ACCN:** NM\_001130137

**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).

<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001130137.1</a> , <a href="#">NP_001123609.1</a>
<b>RefSeq Size:</b>	4569 bp
<b>RefSeq ORF:</b>	2238 bp
<b>Locus ID:</b>	57611
<b>UniProt ID:</b>	<a href="#">Q6UXK2</a>
<b>Cytogenetics:</b>	15q24.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	Required for axon extension during neural development.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. All four transcripts encode the same protein.