

## Product datasheet for **MC221344**

### Islr2 (NM\_001161538) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Islr2 (NM_001161538) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Islr2
Synonyms:	B930052A04Rik; Linx; Mbu-3; mKIAA1465
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221344 representing NM\_001161538  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGGCCCTTTGGAGCCCTGTGTTTGGCCTGGGCTTTGCTAGGAGTGGTCAGAGCGTGTCCCGAGCCTT  
 GCGCCTGTGTTGACAAGTACGCCACCAGTTTGCAGACTGTCCTACAAGGAGCTGCGCGAGGTCCAGAG  
 AGGACTGCCAGCCAACGTGACCACGCTTAGTCTGTCTGCCAACAAAGATTACGGTACTAAGCGGGGGGCC  
 TTCGTCACAGTACGCAGGTCACTTCGCTGTGGCTGGCTCACAGTGAGGTACGCACGGTAGAGTCAGGGG  
 CATTGGCAGTGTGAGTCAGCTCAAGAACCTCGACCTAAGCCACAACCTTATATCCAACCTCCCTTGGAG  
 CGACCTTCGTAACCTTGGCGCGCTGCAGCTGCTGAAAATGAACCACAACCGTCTGGGATCGCTGCCCGG  
 GATGCACTCGGCGCGCTCCGGACCTGCGCTCTCTGCGCATCAACAACAACCGGCTGCGTACCCTGGAGC  
 CCGGCACGTTTCGACGCACTAAGCGCGCTGTCTCACCTGCAACTCTATCACAACCCCTTCCACTGCAGCTG  
 TGGTCTCGTGTGGCTGCAGGCCTGGGCAGCGAGCACCCGGTCTCCTTACCGGAGCCGATTCTATAGCG  
 TGGCCTCGCCCCCTGAGCTGCAGGGCGTGCCTGTCACCGCCTGCCCGCCTGCCCTGCGCACCCCCCA  
 GCGTGCCTGAGCGCAGAGCCGCCCTGAGGCACCTGGCACCCCTCTGCGCGCAGGCTTGGCTTTCAT  
 GTTACATTGCGTCGCGAAGGCCACCCACACCCCGCCTGCAATGGCAACTTCAGATCCCGGGTGGCACT  
 GTAGTCTTAGTGCCACCGGTTCTCAGCAAGGAAGAAGTGGAGGAGATAAGGTGGAGGATGGAGAGGGTG  
 ACGGAGATGAGGACCTGCCTACGCAGACTGAAGCGCAACCCCAACTCCAGCACCTGCTTGGCCAGCGCC  
 TCCAGCCACCCCGCGCTTCTTGGCCCTCGCAAATGGCTCTCTGTTGGTGCCCTTCTGAGTGCCAAGGAG  
 GCAGGCATCTACACTTGTCTGTCACACAATGAGCTGGGCACCAACTCAACGTCTTACGGGTGACGGTGG  
 CTGCAGCGGGCCGCAAAAACAGCTCCTGGAACAGGGGAAGAACCTGATGCGCAGGTCCCGACCTCTGA  
 GCGCAAGGCCACCACTAAGGGCCGTAGCAACAGGCTCCTGCCCTTCAAGCCTGAAGGCAAAAACCAAGGC  
 CAAGGTCTTGCCGAGTACGCTGCTTGGGAAAATCGAGGCAGAGCTGGAGGAGACAGATGAAGGAGAGC  
 AGATGGAAGTACAGATCCCTGCAGATCCGATGGGAGAGAAGCACTGTGGCCATGGGGACCCCTCTCGCTA  
 TGTGTCTAACCATGCATTCAACCAGAGCTCAGATCTCAAGCCGCACGTTTTTGGATTGGCGTTCATCGCG  
 CTGGATGTAGCAGAGCGTGAGGCTCGGGTGCAGCTGACGCCTTGTCTGCGCGCTGGGGCCCTGGGCCAG  
 ATGGTGTAGCGGAGCGCGGGCCGGGAGGCGGCCACTGCGCCTACTCTATCTGTGTCCTGCGGGGGG  
 TGGCACGGCAGTTCAGTGGTACGAGTGAAGAGGGGGTCAATGCCTACTGGTTTCGCGGCTGCGGCT  
 GGCACCAACTACTCCGTATGCTGGCACTGGCGGGCGAGGCGTGTACGTCAGGTGGTGTCTTCTACCA  
 AGAAAGAACTGCCGTCCCTGCTGTTATCGTGACCGTGAGTGTCTTCTCCTGGTGTGGCCACCGTGCC  
 CCTGCTGGGTGCCGCTGCTGCCATCTGCTGGCCAAACATCCGGGCAAACCTACCGTTTAACTCTGAGG  
 CCACAGGCCCCGGACCCTATGGAGAAACGCATCGCGGCCGATTCGATCCGCGTGCTTCTACCTTGAGT  
 CTGAGAAAAGCTACCTGCTCGTGGCGAGGCGGGAGGTGAGGAGCCAGAGGAGGTCCCGGAGGAAGGCT  
 GGATGAAGATGTGGAGCAGGGGGACCAAGCGGGACCTTCAGAGAGAGGAAAGCCTGGCGGGTTGCTCA  
 TTGGTGGAGTCTCAGTCCAAGGCCAACCAAGAGGAGTTCGAGGCTGGCTCGGAGTACAGCGATCGGCTGC  
 CCCTGGGAGCGGAAGCAGTCAACATCGCCAGGAAATAAACGGCAACTACAGGCAGACAGCGGGC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001161538

**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).

<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>	<u>NM_001161538.1, NP_001155010.1</u>
<b>RefSeq Size:</b>	4087 bp
<b>RefSeq ORF:</b>	2238 bp
<b>Locus ID:</b>	320563
<b>UniProt ID:</b>	<u>Q5RKR3</u>
<b>Cytogenetics:</b>	9 B
<b>Gene Summary:</b>	Required for axon extension during neural development.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (5) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream translational start codon, compared to variant 1. The encoded isoform (b) is shorter than isoform a. Variants 2-8 encode the same isoform.