

## Product datasheet for **MC221345**

### Islr2 (NM\_001161536) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Islr2 (NM_001161536) 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:** >MC221345 representing NM\_001161536  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGGCCCTTTGGAGCCCTGTGTTTGGCCTGGGCTTTGCTAGGAGTGGTCAGAGCGTGTCCCGAGCCTT  
 GCGCCTGTGTTGACAAGTACGCCACCAGTTTGCAGACTGTGCCTACAAGGAGCTGCGCGAGGTCCCAGA  
 AGGACTGCCAGCCAACGTGACCACGCTTAGTCTGTCTGCCAACAAAGATTACGGTACTAAGCGGGGGGCC  
 TTCGTCACAGTACGCAGGTCACTTCGCTGTGGCTGGCTCACAGTGAGGTACGCACGGTAGAGTCAGGGG  
 CATTGGCAGTGTGAGTCAGCTCAAGAACCTCGACCTAAGCCACAACCTTATATCCAACCTCCCTTGGAG  
 CGACCTTCGTAACCTTGGCGCGCTGCAGCTGTGAAAATGAACCACAACCGTCTGGGATCGCTGCCCGG  
 GATGCACTCGGCGCGCTCCGGACCTGCCTCTCTGCGCATCAACAACAACCGGCTGCGTACCCTGGAGC  
 CCGGCACGTTTCGACGCACTAAGCGCGCTGTCTCACCTGCAACTCTATCACAACCCCTTCCACTGCAGCTG  
 TGGTCTCGTGTGGCTGCAGGCCTGGGCAGCGAGCACCCGGGTCTCCTTACCGGAGCCGATTCTATAGCG  
 TCGCCTCGCCCCCTGAGCTGCAGGGCGTGCCCGTGCACCGCCTGCCCGCCTGCCCTGCGCACCCCCCA  
 CGGTGCGTCTGAGCGCAGAGCCGCCCTGAGGCACCTGGCACCCCTCTGCGCGCAGGCTTGGCTTTCAT  
 GTTACATTGCGTCGCGGAAGGCCACCCACACCCCGCCTGCAATGGCAACTTCAGATCCCGGGTGGCACT  
 GTAGTCTTAGTGCCACCGGTTCTCAGCAAGGAAGAAGTGGAGGAGATAAGGTGGAGGATGGAGAGGGTG  
 ACGGAGATGAGGACCTGCCTACGCAGACTGAAGCGCAACCCCAACTCCAGCACCTGCTTGGCCAGCGCC  
 TCCAGCCACCCCGCGCTTCTTGGCCCTCGCAAATGGCTCTCTGTTGGTGCCCTTCTGAGTGCCAAGGAG  
 GCAGGCATCTACACTTGTCTGTCACACAATGAGCTGGGCACCAACTCAACGTCTTACGGGTGACGGTGG  
 CTGCAGCGGGCCGCAAAAACAGCTCCTGGAACAGGGGAAGAACCTGATGCGCAGGTCCCGACCTCTGA  
 GCGCAAGGCCACCACTAAGGGCCGTAGCAACAGCGTCTGCCCTTCAAGCCTGAAGGCAAAAACCAAGGC  
 CAAGGTCTTGCCCGAGTCAGCGTCTTGGGAAAATCGAGGCAGAGCTGGAGGAGACAGATGAAGGAGAGC  
 AGATGGAAGTTCAGATCCCTGCAGATCCGATGGGAGAGAAGCACTGTGGCCATGGGGACCCCTCTCGCTA  
 TGTGTCTAACCATGCATTCAACCAGAGCTCAGATCTCAAGCCGCACGTTTTTGGATTGGCGTTCATCGCG  
 CTGGATGTAGCAGAGCGTGGGCTCGGGTGCAGCTGACGCCTTGTCTGCGCGCTGGGGCCCTGGGCCAG  
 ATGGTGTAGCGGAGCGCGGGCGGGGAGGCGGCCACTGCGCCTACTCTATCTGTGTCCTGCGGGGGG  
 TGGCACGGCAGTTCAGTGGTCACGAGTGAAGAGGGGGTCAATGCCTACTGGTTTCGCGGCTGCGGCT  
 GGCACCAACTACTCCGTATGCTGGCACTGGCGGGCGAGGCGTGTACGTCAGGTGGTGTCTTCTACCA  
 AGAAAAGACTGCCGTCCCTGCTGTTATCGTGACCGTGAGTGTCTTCTCCTGGTGTGGCCACCGTGCC  
 CCTGCTGGGTGCCGCTGCTGCCATCTGCTGGCCAAACATCCGGGCAAACCTACCGTTTAACTCTGAGG  
 CCACAGGCCCCGGACCCTATGGAGAAACGCATCGCGGCCGATTCGATCCGCGTGCTTCTACCTTGGAGT  
 CTGAGAAAAGCTACCTGCTCGTGGCGAGGCGGGAGGTGAGGAGCCAGAGGAGGTCCCGGAGGAAGGCT  
 GGATGAAGATGTGGAGCAGGGGGACCAAGCGGGACCTTCAGAGAGAGGAAAGCCTGGCGGGTTGCTCA  
 TTGGTGGAGTCTCAGTCCAAGGCCAACCAAGAGGAGTTCGAGGCTGGCTCGGAGTACAGCGATCGGCTGC  
 CCCTGGGAGCGGAAGCAGTCAACATCGCCAGGAAATAAACGGCAACTACAGGCAGACAGCGGGC**TGA**

**ACGCGT**ACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001161536

**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_001161536.1, NP_001155008.1</u>
<b>RefSeq Size:</b>	4319 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 (2) 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.