

Product datasheet for **MC221343**

Islr2 (NM_001161539) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Islr2 (NM_001161539) 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: >MC221343 representing NM_001161539
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGCCCTTTGGAGCCCTGTGTTGGCCTGGGCTTTGCTAGGAGTGGTCAGAGCGTGTCCCGAGCCTT
 GCGCCTGTGTTGACAAGTACGCCACCAGTTTGCAGACTGTGCCTACAAGGAGCTGCGCGAGGTCCAGAG
 AGGACTGCCAGCCAACGTGACCACGCTTAGTCTGTCTGCCAACAAAGATTACGGTACTAAGCGGGGGGCC
 TTCGTCACAGTACGCAGGTCACTTCGCTGTGGCTGGCTCACAGTGAGGTACGCACGGTAGAGTCAGGGG
 CATTGGCAGTGTGAGTCAGCTCAAGAACCTCGACCTAAGCCACAACCTTATATCCAACCTCCCTTGGAG
 CGACCTTCGTAACCTTGGCGCGCTGCAGCTGTGAAAATGAACCACAACCGTCTGGGATCGCTGCCCGG
 GATGCACTCGGCGCGCTCCGGACCTGCCTCTCTGCGCATCAACAACAACCGGCTGCGTACCCTGGAGC
 CCGGCACGTTTCGACGCACTAAGCGCGCTGTCTCACCTGCAACTCTATCACAACCCCTTCCACTGCAGCTG
 TGGTCTCGTGTGGCTGCAGGCCCTGGGCAGCGAGCACCCGGGTCTCCTTACCGGAGCCGATTCTATAGCG
 TGGCCTCGCCCCCTGAGCTGCAGGGCGTGCCCGTGCACCGCCTGCCCGCCTGCCCTGCGCACCCCCCA
 GCGTGCCTGAGCGCAGAGCCGCCCTGAGGCACCTGGCACCCCTCTGCGCGCAGGCTTGGCTTTCAT
 GTTACATTGCGTCGCGAAGGCCACCCACACCCCGCCTGCAATGGCAACTTCAGATCCCGGGTGGCACT
 GTAGTCTTAGTGCCACCGGTTCTCAGCAAGGAAGAAGATGGAGGAGATAAGGTGGAGGATGGAGAGGGTG
 ACGGAGATGAGGACCTGCCTACGCAGACTGAAGCGCAACCCCAACTCCAGCACCTGCTTGGCCAGCGCC
 TCCAGCCACCCCGCGCTTCTTGGCCCTCGCAAATGGCTCTCTGTTGGTGCCCTTCTGAGTGCCAAGGAG
 GCAGGCATCTACACTTGTCTGTCACACAATGAGCTGGGCACCAACTCAACGTCTTACGGGTGACGGTGG
 CTGCAGCGGGCCGCAAAAACAGCTCCTGGAACAGGGGAAGAACCTGATGCGCAGGTCCCGACCTCTGA
 GCGCAAGGCCACCACTAAGGGCCGTAGCAACAGGCTCCTGCCCTTCAAGCCTGAAGGCAAAAACCAAGGC
 CAAGGTCTTGCCGAGTACGCTGCTTGGGAAAATCGAGGCAGAGCTGGAGGAGACAGATGAAGGAGAGC
 AGATGGAAGTACAGATCCCTGCAGATCCGATGGGAGAGAAGCACTGTGGCCATGGGGACCCCTCTCGCTA
 TGTGTCTAACCATGCATTCAACCAGAGCTCAGATCTCAAGCCGCACGTTTTTGGATTGGGCGTCATCGCG
 CTGGATGTAGCAGAGCGTGAGGCTCGGGTGCAGCTGACGCCTTGTCTGCGCGCTGGGGCCCTGGGCCAG
 ATGGTGTAGCGGAGCGCGGGCGGGGAGGCGGCCACTGCGCCTACTCTATCTGTGTCCTGCGGGGGG
 TGGCACGGCAGTTCAGTGGTACGAGTGAAGAGGGGGTCAATGCCTACTGGTTTCGCGGCTGCGGCT
 GGCACCAACTACTCCGTATGCTGGCACTGGCGGGCGAGGCGTGTACAGTGCAGGTGGTGTCTTCTACCA
 AGAAAAGACTGCCGTCCCTGCTGTTATCGTGACCGTGAGTGTCTTCTCCTGGTGTGGCCACCGTGCC
 CCTGCTGGGTGCCGCTGCTGCCATCTGCTGGCCAAACATCCGGGCAAACCTACCGTTTAACTCTGAGG
 CCACAGGCCCCGGACCCTATGGAGAAACGCATCGCGGCCGATTCGATCCGCGTGCTTCTACCTTGAGT
 CTGAGAAAAGCTACCTGCTCGTGGCGAGGCGGGAGGTGAGGAGCCAGAGGAGGTCCCGGAGGAAGGCT
 GGATGAAGATGTGGAGCAGGGGGACCAAGCGGGACCTTCAAGAGAGGAAAGCCTGGCGGGTTGCTCA
 TTGGTGGAGTCTCAGTCCAAGGCCAACCAAGAGGAGTTCGAGGCTGGCTCGGAGTACAGCGATCGGCTGC
 CCCTGGGAGCGGAAGCAGTCAACATCGCCAGGAAATAAACGGCAACTACAGGCAGACAGCGGGC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001161539

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).

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:	<ol style="list-style-type: none">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:	<u>NM_001161539.1, NP_001155011.1</u>
RefSeq Size:	4049 bp
RefSeq ORF:	2238 bp
Locus ID:	320563
UniProt ID:	<u>Q5RKR3</u>
Cytogenetics:	9 B
Gene Summary:	Required for axon extension during neural development.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (6) 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.