

Product datasheet for **MC221672**

Islr2 (NM_001161535) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Islr2 (NM_001161535) 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: >MC221672 representing NM_001161535
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCACTCCCCCTTTCTCCCCACCGCCACAGCAACAGATGCCAGAAGCTCCCTTAGACTGTCACCTGAGT
 CTGGAGACCGGCTCGCAGCCCCACAGCATCACACTGCAAGTCAGAGAGCAGCAGGAGTCACGATGGGGCC
 CTTTGGAGCCCTGTGTTTGGCCTGGGCTTTGCTAGGAGTGGTCAGAGCGTGTCCCGAGCCTTGCGCTGT
 GTTGACAAGTACGCCACCAGTTTGCACTGTGCCTACAAGGAGCTGCGCGAGGTCCCAGAAGGACTGC
 CAGCCAACGTGACCACGCTTAGTCTGTCTGCCAACAAGATTACGGTACTAAGCGGGGGGCTTCGTCAA
 CGTCACGCAGGTCACTTCGCTGTGGCTGGCTCACAGTGAAGTACGCACGGTAGAGTCAGGGGCATTGGCA
 GTGCTGAGTCAGCTCAAGAACCTCGACCTAAGCCACAACCTTATATCCAACCTCCCTTGGAGCGACCTC
 GTAACCTGAGCGCGCTGCAGCTGCTGAAAATGAACCACAACCGTCTGGGATCGTCCCCGGGATGCACT
 CGGCGCGCTCCCGACCTGCGCTCTCTGCGCATCAACAACAACCGGCTGCGTACCCTGGAGCCCGGCAGC
 TTGACGCACTAAGCGCGCTGTCTCACCTGCAACTCTATCACAACCCCTTCCACTGCAGCTGTGGTCTCG
 TGTGGCTGCAGGCCTGGGACGAGCACCCTGCTCCTTACCGAGCCCGATTCTATAGCGTGCGCCCTC
 GCCCCTGAGCTGCAGGGCGTGCCCGTGCACCGCTGCCCGCCCTGCCCTGCGCACCCCCACGCTGCGT
 CTGAGCGCAGAGCCGCCCTGAGGCACCTGGCACCCCTCTGCGCGCAGGCTTGGCTTTCATGTTACATT
 GCGTCGCCGAAGGCCACCCACACCCCGCTGCAATGGCAACTTCAGATCCCGGGTGGCACTGTAGTCTT
 AGTGCCACCGTTCTCAGCAAGGAAGAAGTGGAGGAGATAAGGTGGAGGATGGAGAGGGTACGGAGAT
 GAGGACCTGCCTACGCAGACTGAAGCGCAACCCCAACTCCAGCACCTGCTTGGCCAGCGCTCCAGCCA
 CCCCAGCTTCTTGGCCCTCGCAATGGCTCTCTGTTGGTGGCCCTTCTGAGTGCCAAGGAGGCAGCACT
 CTACACTTGTGTCGACACAATGAGCTGGGCACCAACTCAACGTCTTACGGGTGACGGTGGCTGCAGCG
 GGGCCGCCAAAACACGCTCCTGGAACAGGGGAAGAACCCTGATGCGCAGGTCCCGACCTCTGAGCGCAAGG
 CCACCACTAAGGGCCGTAGCAACAGCGTCTGCCCTTCAAGCCTGAAGGCAAAACCAAGGCCAAGGTCT
 TGCCCCGAGTCAGCGTGTGGGAAATCGAGGCAGAGCTGGAGGAGACAGATGAAGGAGAGCAGATGGAA
 GGTGAGATCCCTGCAGATCCGATGGGAGAGAAGCACTGTGGCCATGGGGACCCCTCTCGTATGTGTCTA
 ACCATGCATTCAACCAGAGCTCAGATCTCAAGCCGCACGTTTTTGAGTTGGGCGTCATCGCGCTGGATGT
 AGCAGAGCGTGAGGCTCGGTGCAGCTGACGCTCTTGTGCGCGCTGGGGCCCTGGGCCAGATGGTGTCT
 AGCGGAGCGCGGGCCGGGGAGGGGCCACTGCGCCTACTCTATCTGTGTCTGCGGGGGTGGCACGG
 CAGTTCAGTGGTACGAGTGAAGAGGGGGTCAATGCCTACTGGTTTCGCGGCCTGCGGCCTGGCACCAA
 CTACTCCGTATGCTGGCACTGGCGGGCAGGCGTGTACGTGCAGGTGGTGTCTTACCAAGAAAGAA
 CTGCCCTCCCTGCTGGTTATCGTGACCGTGAAGTGTCTTCTCCTGGTGTGGCCACCGTGGCCCTGCTGG
 GTGCCCGCTGCTGCCATCTGCTGGCCAAACATCCGGGCAACCCCTACCGTTAATCCTGAGGCCACAGGC
 CCCGGACCCTATGGAGAAACGCATCGCGGCCGATTCGATCCCGCTGCTTCTACCTTGAAGTCTGAGAAA
 AGCTACCCTGCTCGTGGCGAGGGGGAGGTGAGGAGCCAGAGGAGTCCCGGAGGAAGGCCTGGATGAAG
 ATGTGGAGCAGGGGACCAAGCGGGGACCTTCAGAGAGAGGAAAGCCTGGCGGGTGTCTATTGGTGA
 GTCTCAGTCCAAGGCCAACCAAGAGGAGTTCGAGGCTGGCTCGGAGTACAGCGATCGGCTGCCCTGGGA
 CGGAAGCAGTCAACATCGCCCAGGAAATAACGGCAACTACAGGCAGACAGCGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001161535
Insert Size: 2370 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_001161535.1</u> , <u>NP_001155007.1</u>
RefSeq Size:	4138 bp
RefSeq ORF:	2370 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 (1) encodes the longer isoform (a).