

## Product datasheet for MC212097

### Isl2 (NM\_027397) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Isl2 (NM_027397) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Isl2
Synonyms:	3110001N10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212097 representing NM_027397 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGGATATTATTTTCATTATCCTTTCTGGGTGCTATGGGGATCATTCCAAGAAGAAGCCCGGA  
CGGCCATGTGCGTGGGTGCGGGAGTCAGATCCACGACAGTTTATCCTTCGCGTGTGCCCCGACCTCGA  
GTGGCACGCCCTGCCTCAAGTGC GCGGAGTGCAGCCAGTACCTGGACGAGACGTGCACGTGCTTCGTG  
AGAGACGGGAAAACCTACTGCAAGCGGGACTACGT CAGGCTGTTCCGCATCAAGTGTGCCAGTGCCAGG  
TGGGCTTCAGCAGCAGTACCTGGTGATGCGGGCGGGACAGCGTGTACCACATCGAGTGCTTCCGCTG  
CTCCGTGTGCAGCCGCCAGCTGCTCCCTGGAGACGAGTTCTCGCTGCGGGAGCATGAGTGCTCTGCCGA  
GCTGACCACGGCCTCCTGCTGGAGCGCGCTGCGGCTGGCAGCCCGCGCAGCCCCGGCCCGCTCCCCGGCG  
CCCCGGCCTGCATCTGCCAGACGCTGGGTCCGGACGACAGCCCTCACTGCGCACGCAGTGCACAAGCA  
GGCGGAGAAGACAACCCGGGTACGGACTGTGCTCAACGAGAAGCAACTGCATACCCTGCGGACGTGCTAC  
GCCGCCAATCCGCGGCCAGACGCGCTCATGAAAGAGCAGCTAGTAGAGATGACCGGCTTGAGCCCCGGG  
TCATCCGCGTGTGGTTTCAGAACAAGCGTTGCAAGGACAAGAAGAAGTCCATTCTCATGAAGCAGCTACA  
GCAGCAGCAACACAGTGACAAGGCGAGCCTCCAGGGACTGACTGGGACGCCTCTGGTGGCAGGCAGCCCC  
ATCCGCCATGAGAACGCGGTGCAGGGCAGCGCAGTCGAGGTGCAGACGTACCAGCCGCCCTGGAAAGC  
TCAGCGATTTGCACTCCAGAGCGACCTGGACCAACCCGCTTTCAACAGCTGGTTTCCTTCTCCGAGTC  
AGGCTCCCTAGGCAACTTTCGGTAGCGACGTGACCTCTGTCTCGAGCTCCCGGACACCCCCAAC  
AGTATGTACCTAGTCCGGTGGAGACGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_027397
<b>Insert Size:</b>	1080 bp
<b>OTI Disclaimer:</b>	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><a href="#">NM_027397.3</a></u> , <u><a href="#">NP_081673.2</a></u>
<b>RefSeq Size:</b>	1868 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	104360
<b>UniProt ID:</b>	<u><a href="#">Q9CXV0</a></u>
<b>Cytogenetics:</b>	9 B
<b>Gene Summary:</b>	Transcriptional factor that defines subclasses of motoneurons that segregate into columns in the spinal cord and select distinct axon pathways.[UniProtKB/Swiss-Prot Function]