

## Product datasheet for MR225759

### Isl2 (NM\_027397) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Isl2 (NM_027397) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Isl2
Synonyms:	3110001N10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry2 (PS100063)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225759 representing NM_027397 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGGATATTATTTTCATTATCCTTTCTGGGTGCTATGGGGATCATTCCAAGAAGAAGCCCGGA  
CGGCCATGTGCGTGGGTGCGGGAGTCAGATCCACGACAGTTTATCCTTCGCGTGTGCGCCGACCTCGA  
GTGGCACGCCGCTGCCTCAAGTGC GCGGAGTGCAGCCAGTACCTGGACGAGACGTGCACGTGCTTCGTG  
AGAGACGGGAAAACCTACTGCAAGCGGGACTACGTCAGGCTGTTCCGCATCAAGTGTGCCAGTGCCAGG  
TGGGCTTCAGCAGCAGTACCTGGTGTATGCGGGCGGGACAGCGTGTACCACATCGAGTGCTTCCGCTG  
CTCCGTGTGCAGCCGACGCTGCTCCCTGGAGACGAGTTCTCGCTGCGGGAGCATGAGCTGCTTGCCGA  
GCTGACCACGGCCTCCTGCTGGAGCGCGCTGCGGCTGGCAGCCCGCGCAGCCCGGCCGCTCCCGGGCG  
CCCGCGGCTGCATCTGCCAGACGCTGGGTCCGGACGACAGCCCTCACTGCGCAGCACGTGCACAAGCA  
GGCGGAGAAGACAACCCGGGTACGGACTGTGCTCAACGAGAAGCAACTGCATACCCTGCGGACGTGCTAC  
GCCGCAATCCGCGGCCAGACGCGCTCATGAAAGAGCAGCTAGTAGAGATGACCGGCTTGAGCCCGGGG  
TCATCCGCGTGTGGTTTCAGAACAAGCGTTGCAAGGACAAGAAGAAGTCCATTCTCATGAAGCAGCTACA  
GCAGCAGCAACACAGTGACAAGGCGAGCCTCCAGGGACTGACTGGGACGCTCTGGTGGCAGGCAGCCCC  
ATCCGCCATGAGAACGCGGTGCAGGGCAGCGCAGTCGAGGTGCAGAGTACCAGCCGCCCTGGAAGAGCA  
TCAGCGATTTGCACTCCAGAGCGACCTGGACCAACCCGCTTTCAACAGCTGGTTTCTTCTCCGAGTC  
AGGCTCCCTAGGCAACTTTCGGTAGCGACGTGACCTCTGTCTCGCAGCTCCCGGACACCCCAAC  
AGTATGTTACCTAGTCCGGTGGAGACG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>MW:</b>	40.2 kDa
<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]