

## Product datasheet for **SC123232**

### Islet 2 (ISL2) (NM\_145805) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Islet 2 (ISL2) (NM_145805) Human Untagged Clone
Tag:	Tag Free
Symbol:	Islet 2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_145805 edited  
 GCAAAGAGCCGAGGCCGGGCGCGACCCTCGTCTTCTGCCCTGGCCGCACACTTTGC  
 GCACATCTCTTTTTCTGCATGGTGGATATTATTTTTTCATTATCCTTTCTGGGTGCTATG  
 GGTGATCATTCCAAGAAGAAGCCCGGGACGGCCATGTGCGTGGGCTGCGGGAGTCAGATC  
 CACGACCAGTTTATCCTGCGGGTGTGCCCCGACCTCGAGTGGCACGCGGCTGCCTCAAG  
 TGTGCCGAGTGCAGCCAGTACCTGGACGAGACGTGCACGTGCTTCGTGAGAGACGGGAAG  
 ACCTACTGCAAGCGGGACTACGTCAAGGTGTTCCGCATCAAGTGCGCCAAGTGCCAGGTG  
 GGCTTCAGCAGCAGCGACCTGGTGTGAGGGCGCGGGACAGCGTGTACCACATCGAGTGC  
 TTCCGCTGCTCCGTGTGCAGCCGACGCTGCTGCCTGGGACGAGTTCTCGCTGCGGGAG  
 CACGAGCTGCTCTGCCGCGCCGACCACGGCTCCTGCTCGAGCGCGCCGCGCCGCGCAGC  
 CCGCGCAGCCCCGGCCGCTTCCCGGCGCCCGCGGCTGCATCTGCCGACGCTGGGTGCG  
 GGCCGGCAGCCCCGCTTGCGCCGACGTGCACAAGCAGACGGAGAAGACGACCCGCGTG  
 CGGACTGTGCTGAACGAGAAGCAGCTGCACACTCTGCGGACCTGTACGCCGCAACCCG  
 CGGCCGACGCTCTCATGAAGGAGCAGCTGGTGGAGATGACCGGCTGAGCCCGGGGTC  
 ATCCGCTGTGGTCCAGAACAAGCGCTGCAAGGACAAGAAGAAATCCATTCTCATGAAG  
 CAGCTGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC  
 CTGGTGGCGGGCAGTCCCATCCGCCATGAGAACGCCGTGACGGGACGCGAGTGGAGGTG  
 CAGACGTACCAGCCGCGCTGGAAGGCGCTCAGCGAGTTTGCCCTCCAGAGCGACCTGGAC  
 CAACCCGCTTCCAACAGCTGGTCTCCTTCTCCGAGTCCGGCTCCCTAGGCAACTCCTCC  
 GGCAGCGACGTGACCTCCTGTCTCGCAGCTCCCGGACACCCCAACAGTATGGTGCCG  
 AGTCCCGTGGAGACGTGAGGGGGACCCCTCCCTGCCAGCCCGGACCTCGCATGCTCCC  
 TGCATGAGACTCACCCATGCTCAGGCCATTCCAGTTCGAAAGCTCTCTCGCTTCGTA  
 TTATTCTATTGTTATTTATGAGAGAGTACCGAGAGACCGGTGACAGCCCAAGGGCG  
 CAGGATGCAACCTGCTTTCACCAGACTGCAGACCCTGCTCCGAGGACTCTTAGTTTTTC  
 AAAACCAGAATCTGGACTTACCAGGGTTAGCTCTGCCCTCCTCTCCTCTCTACGTGG  
 CCGCCGCTCTGTCTCTCCACGCCACCTGTGTCCCATCTCGCCGCGCCGAGCTCGC  
 CCACGCGGACCCCGCCTGCCAGCTCAGCGCTCCTGGCGGCTTCCGCCGGGCTCCT  
 AGCGGGGAAAAGGAAGGGGATAACTCAGAGGAACAGACTCAAACCTCCAAAGCGCATG  
 ATTGCTGGGAAACAGTAGAAACCAGACTGCCTTGAAGTGTAAAGTTATTCGACGGAG  
 GACAGAGTATGTAGCCTTGGCCGAACAAACAAACGTAAGTTATTGTTATTTATTGTGAG  
 AACAGCCAGTTCATAGTGGGACTTGATTTTGGATCTTAATAAAAAATAATAACCCGGGAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_145805 unedited  
 NNCCTTTCGGATTTGTACTCTCACTATAGGCGCCGCGATTCCGCACGAGGGCAAATA  
 TCCGAGGCCGGGCGCGACCCTCGTCTTCTGCCCTGGCCGCACACTTTCGCGACATC  
 TCTTTTTCTGCATGGTGGATATTATTTTTTCATTATCCTTTCTGGGTGCTATGGGTGATC  
 ATTCCAAGAAGAAGCCCGGGACGGCCATGTGCGTGGGCTGCGGGAGTCAGATCCACGACC  
 AGTTTATCCTGCGGGTGTGCCCCGACCTCGAGTGGCACGCGGCTGCCTCAAGTGTGCCG  
 AGTGCAGCCAGTACCTGGACGAGACGTGCACGTGCTTCGTGAGAGACGGGAAGACCTACT  
 GCAAGCGGGACTACGTCAAGGCTGTTCCGCATCAAGTGCGCCAAGTGCCAGGTGGGTTCA  
 GCAGCAGCGACCTGGTGTGAGGGCGCGGGACAGCGTGTACCACATCGAGTGTCTCCGCT  
 GCTCCGTGTGCAGCCGACGCTGCTGCCTGGGACGAGTTCTCGTGCAGGAGCAGCAGC  
 TGCTCTGCCGCGCCGACACGGCTCCTGCTCGAGCGCGCCGCGGCGGACGCCGCGCA  
 GCCCGGGCCGCTTCCCGGCGCCCGCGGCTGCATCTGCCGACGCTGGGTGCGGGCCGCG  
 AGCCCGCTTGCGCCGACGTGCACAAGCAGACGGAGAATACGACCCGCGTGCAGTGTG  
 TGCTGAACGAGAAGCAGCTGCACACTCTGCGGACCTGTACGCCGCAACCCGCGGCGCG  
 ACGCTCTCATGAAGGAGCAGCTGGTGGAGATGACCGGCTGAGCCCGGGGTTCATCCGCG  
 TCTGGGTTCAAGCAAGCGCTGCAAGGACAGAAGGAATCCATTCTCATGAAACAGCTGCA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_145805

<b>Insert Size:</b>	1836 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>	<a href="#">NM_145805.1</a> , <a href="#">NP_665804.1</a>
<b>RefSeq Size:</b>	1836 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	64843
<b>UniProt ID:</b>	<a href="#">Q96A47</a>
<b>Cytogenetics:</b>	15q24.3
<b>Protein Families:</b>	Transcription Factors
<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]