

## Product datasheet for **SC112089**

### ISOC2 (NM\_024710) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ISOC2 (NM_024710) Human Untagged Clone
Tag:	Tag Free
Symbol:	ISOC2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024710, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCTGCCAGGCCAGCCTGGGCCGAGTCTCCAGGATCCTCTGTCTGTTCCTGTGTGACATGC
AGGAGAAGTTCGGCCACAACATCGCCTACTTCCCACAGATCGTCTCAGTGGCTGCCCGCATGCTCAAGGT
GGCCCGGCTGCTTGAGGTGCCAGTATGCTGACGGAGCAGTACCCACAAGGCCTGGGCCCCACGGTGCC
GAGCTGGGGACTGAGGGCCTTCGGCCGCTGGCCAAGACCTGCTTCAGCATGGTGCCTGCCCTGCAGCAGG
AGCTGGACAGTCGGCCCCAGCTGCGCTCTGTGCTGCTCTGTGGCATTGAGGCACAGGCCTGCATCTTGA
CCCCGTTCTTATCCGGGGTTGGCCCTGACCTCTCTACCCACAGAACACGACCCTGGACCTCCTAGAC
CGGGGGCTGCAGGTCCATGTGGTGGTGGACGCCCTGCTCCTCACGCAGCCAGGTGGACCGGCTGGTGGCTC
TGCCCGCATGAGACAGAGTGGTGCCTTCTCTCCACCAGCGAAGGGCTCATTCTGCAGCTTGTGGGCGA
TGCCGTCCACCCCAAGTCAAGGAGATCCAGAACTCATCAAGGAGCCCGCCCGACAGCGGACTGCTG
GGCTCTTCCAAGGCCAGAACTCCCTCCTCCACTGA
```



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_024710 unedited</p> <pre>TCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCCGTCC GAGAGCCGAGAGGTGAGGGTGCCCCCGCTCACCTGCAGAGGGGCGTTCCGGGCTCGAA CCCGGCACCTCCGGAAAATGGCGGCTGCCAGGCCAGCTGGGCCGAGTCTCCAGGA TCCTCTGTCTGTCTCTGTGTGACATGCAGGAGAAGTTCGCCACAACATCGCTACTTC CCACAGATCGTCTCAGTGGTCCCCGCATGCTCAAGGTGGCCCCGGCTGCTTGAGGTGCCA GTCATGTGACGGAGCAGTACCCACAAGGCCTGGGCCCCACGGTGCCCGAGCTGGGGACT GAGGGCCTTCGGCCGCTGGCCAAGACCTGCTTCAGCATGGTGCCTGCCCTGCAGCAGGAG CTGGACAGTCCGGCCCCAGCTGCGCTCTGTGCTGCTCTGTGGCATTGAGGCACAGGCCTGC ATCTTGAACACGACCCTGGACCTCTAGACCGGGGGCTGCAGGTCCATGTGGTGGTGGAC GCCTGCTCCTCACGCAGCCAGGTGGACCGGCTGGTGGCTCTGGCCCGCATGAGACAGAGT GGTGCCTTCTCTCCACCAGCGAAGGGCTCATTCTGCAGCTTGTGGCGATGCCGTCCAC CCCCAGTTCAAGGAGATCCAGANACTCATCAAGGAGCCCGCCCCAGACAGCGGACTGCTG GGCCTCTTCCAAGGCCAGAACTCCCTCCTCCACTGAACTCCAACCCTGGCCTTGAGGAAG ACCACCCTCCTGTCAACCGGACCTCAGTGAAGCCGTTCCNCCCATCCTGATCCAGAG TGGTGCATCACCAGAGTGCGCCCTGNGGGGGGGGCCAGGTGCTGCTTCCATTGGAAG CTGCTCCCGAATGCAATGAGACTCTGAAACTGGTGGGATTGCTGAGCAAATGGAGCGGGC TCGCC</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_024710 unedited</p> <pre>TGCTGCCGCAAATTANGATCTAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TCACAGCCACATATATGTTTATTCTGCGAGTCCGTGTCCACAGTCTGAGACTTTTTTTC CCCTCCCTTCCCGCCCCGTGAAGTGGCCCGGGCCGAGCCCCGCTCCATCTTGGCTCA GCCAATTTCCACCCAGTTTCCAGGAGTCTCATTTCATTTCCGGGAGCAGCTGTCCAATG GGAAGGCAGCACCTGCCCCCCACAAGGGGGCGGCACCTCTGGGGGATCGCACCACTC TTGGGATCCAGGGATGGGGGGAACGGGCTTCCACTGAGGTCCGGGTGACAGGAGGTGGT CTTCCCTCAAGGCAGGGTTGGAGTTCAGTGGAGGAGGGAGTTCTGGCCTTGAAGAGGCC CAGCAGTCCGCTGTCTGGGGCGGGCTCCTTGATGAGTTTCTGGATCTCCTTGAAGTGGG GTGGACGGCATCGCCACAAGCTGCAGAATGAGCCCTTCGCTGGTGGAGAGGAAGGCACC ACTCTGTCTCATGCGGGCCAGAGCCACCAGCCGGTCCACCTGGCTGCGTGAGGAGCAGGC GTCCACCACCATGGACCTGCAGCCCCGGGTCTAGAGGTCCAGGGTTCGTGTTCAAGA TGCAAGCNTGTGCCCTCAATGGCACCAGAGCANCACAAAAGCGCAACTGGGGGCCGAC TGCTCAGCTTCTGGCTGCAGGGCAGGCCACCATGCTTGAACAAGTCTTGGCCAGCNGC CCGAAGGCCCTCATTCCCAAGCTCGGGCACCGGGGGGGCCAGGCCTGGGGGTACTGGTT CGTNAACATGACTGGCAACCTAAGCAGGCGGGCCACTTGGACATGCGGGCAACCCCTGA GAACAATCTTGGGGAAATAGGCCATGTTTTGGCGGGAACTTTTCTGGATGTTCAAACGG AACAGAAAAAAGATCCTGGGGAGCTGGNCCAGGTGGGCCTGGGAACCCCTT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_024710
<b>Insert Size:</b>	1250 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).

**Reconstitution Method:**

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:** [NM\\_024710.1](#), [NP\\_078986.1](#)

**RefSeq Size:** 1149 bp

**RefSeq ORF:** 666 bp

**Locus ID:** 79763

**UniProt ID:** [Q96AB3](#)

**Cytogenetics:** 19q13.42

**Domains:** Isochorismatase