

## Product datasheet for **SC105844**

### ISCA1 (AF284752) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ISCA1 (AF284752) Human Untagged Clone
Tag:	Tag Free
Symbol:	ISCA1
Synonyms:	HBLD2; hIscA; ISA1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AF284752, the custom clone sequence may differ by one or more nucleotides

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ATGATGTCGGCTTCCTTAGTCCGGGCAACTGTCCGGGCTGTGAGCAAGAGGAAGCTGCAGCCCACCCGGG
CAGCCCTCACCTGACACCTTCAGCAGTAAACAAGATAAAACAACCTTCTTAAAGATAAGCCTGAGCATGT
AGGTGTAAGGTTGGTGTCCGAACCAGGGGCTGTAATGGCCTTTCTTATACTCTAGAATATACAAAGACA
AAAGGAGATTCTGATGAAGAAGTTATTCAAGATGGAGTCAGAGTATTCATCGAAAAGAAAGCACAGCTAA
CACTTTTAGGAACAGAAATGGACTATGTTGAAGACAAATTATCCAGTGAGTTTGTGTTCAATAACCCAAA
CATCAAAGGGACTTGTGGCTGTGGAGAAAGCTTTAATATTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for AF284752 unedited</p> <pre> NGGGTTTCACAATTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGNAGAAGC TGAGGGCGGCCGACCTTCGGCCCGAGGCACCGGGGCGCCGGACGGCGAAGATGTCGGCTT CCTTAGTCCGGGCAACTGTCGGGCTGTGAGCAAGAGGAAGTGCAGCCCACCCGGGCAG CCCTCACCTGACACCTTCAGCAGTAAACAAGATAAAACAACCTTTAAAGATAAGCCTG AGCATGTAGGTGTAAAAGTTGGTGTCCGAACCAGGGGCTGTAATGGCCTTTCTTATACTC TAGAATATACAAAAGACAAAAGGAGATTCTGATGAAGAAGTTATTCAAGATGGAGTCAGAG TATTCATCGAAAAGAAAAGCACAGCTAACACTTTTAGGAACAGAAATGGACTATGTTGAAG ACAAATTATCCAGTGAGTTTGTGTTCAATAACCCAAACATCAAAGGGACTTGTGGCTGTG GAGAAAGCTTTAATATTTGAAATCTCAGGACTCTTCTGGCCGTAGGTTCCAGGAAAGCTC GTGGAAGCTTTGGGGCTCACTGCAGAAATCATGTGACTGTCACGTGCTGGAAAATAAAGT GATACATCTTGAAAATGAATCCAGTGTGTTGGATTCCAGAAGAAATGATATTTATATTCT CTATAGGGGACAGAAAATGAGAAGCCATCACTCTTTTGGATCATTTAGGTCTCTGTAT CCTTTGTTTTAGAACCAGTTTCATTAAGTTGCCTTCTGGGCACCTGNTTATCCATTTTC CTGAACGTGTGCACTCCTTAGATCGCTATTGATGGCTTGATCATCCCTCAGCATTCTC CCACCAGNATCGTACTCCTAAAATCTGAGACAGGACATCGTGACTGCTGGGTAGTATAT TGTGGNTGGCATTGTTTTTTC </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for AF284752 unedited</p> <pre> ATAGGTCTACTATGNACGCGCCGCTATCTANGATCGGTTTTTTTTTTTTTTTTTATGA TCACAAAAAGGCCACACTTTTTTTAATTGACAACTCAATCTCTACATACATACAGTATT GCACGAATTATAAGTGGATCAACAATTATATTATTGATACAACTCATGAGCATTACAT AAAACACCGCTCTAGGTTTTGGTGTGTTTTGTGTCAGCTACTTGTAGTAATAACGAAA CATAAAGGAACTCAGCTACTTGAATTCATGAGAATCAGCTTTCAAAAAAGCATATATAT CATCTCATAGAATACTTATGTCAAACCCAGGAAAATCAGTAACTAAGTGACAAAAGGAAC ACTTTTAAAGAAAAGTTGGTGATAAATATGTTAGGCTAAAATACTAAGAACTTTAGCAAC TGGACCGAGGAACAGAAAATGTATGCACACTGGGAATTTTAAACAAAAGATTACACATTC TCCTGTACAGTGAGGACCACATTCAAAAGCATAAATCTGGGTTGCTACAATGTCATCTC TGCTACAAACCATTGTTTCAAAGGTGAAAGAAAACAAGATGGTAATTGACATAAAAAGTT TTAAAATCTTCCCACCTCAAAAATAAAAATAAAAATAATATAATCTCTATCAAATTAATAAG AAATTCATCAAAATGTTGACCACATAAAGAAGTCAGACCATTTGCCTTCGCTGACTGCC TCAGAGGGCAGAGCATGTGTCACCCTACAGGGAGAGGGGGTAGAGTCCCTACTCTCCCC CGGGCTGTGTTGTCAAGGTGGACAGGAGCCCTTTGGCTTCCCTGGGGTTTTGCTTCTCA CTAGGGAATTGAGGGAAGTGGC </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AF284752
<b>Insert Size:</b>	2250 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:** [AF284752.1](#), [AAG59854.1](#)

**RefSeq Size:** 1978 bp

**RefSeq ORF:** 393 bp

**Locus ID:** 81689

**Cytogenetics:** 9q21.33

**Domains:** HesB-like

**Gene Summary:** ISCA1 is a mitochondrial protein involved in the biogenesis and assembly of iron-sulfur clusters, which play a role in electron-transfer reactions (Cozar-Castellano et al., 2004 [PubMed 15262227]).[supplied by OMIM, Mar 2008]