

Product datasheet for **SC127008**

ISCA1 (NM_030940) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ISCA1 (NM_030940) Human Untagged Clone
Tag:	Tag Free
Symbol:	ISCA1
Synonyms:	HBLD2; hIscA; ISA1; MMDS5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127008 sequence for NM_030940 edited (data generated by NextGen Sequencing)

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ATGTCGGCTTCCTTAGTCCGGGCAACTGTCCGGGCTGTGAGCAAGAGGAAGCTGCAGCCC  
ACCCGGGCAGCCCTCACCTGACACCTTCAGCAGTAAACAAGATAAAACAACCTTCTTAAA  
GATAAGCCTGAGCATGTAGGTGTAAAAGTTGGTGTCCGAACCAGGGGCTGTAATGGCCTT  
TCTTATACTCTAGAATATACAAAGACAAAAGGAGATTCTGATGAAGAAGTTATTCAAGAT  
GGAGTCAGAGTATTCATCGAAAAGAAAGCACAGCTAACACTTTTAGGAACAGAAATGGAC  
TATGTTGAAGACAAATTATCCAGTGAGTTTGTGTTCAATAACCCAACATCAAAGGGACT  
TGTGGCTGTGGAGAAAGCTTTAATATTGA
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Clone variation with respect to NM_030940.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_030940 unedited GTAATACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGCCTCGTGCCGAATTCGG CACGAGGGCCGTGCCATGGAGAGAAGCTGAGGCGGCCGACCTTCGGCCCGAGGCACCGG GGCGCCGGGACGGCGAAGATGTCGGCTTCTTAGTCCGGGCAACTGTCCGGGCTGTGAGC AAGAGGAAGCTGCAGCCCACCCGGGCAGCCCTCACCTGACACCTTCAGCAGTAAACAAG AAAAAACAACCTTTAAAGATAAGCCTGAGCATGTAGGTGTAAAAGTTGGTGTCCGAACC AGGGGCTGTAATGGCCTTTCTTATACTCTAGAATATACAAAGACAAAAGGAGATTTGAT GAAGAAGTTATTCAAGATGGAGTCAGAGTATTCATCGAAAAGAAAAGCACAGCTAACACTT TTAGGAACAGAAATGGACTATGTTGAAGACAAATTATCCAGTGAGTTTGTGTTCAATAAC CCAAACATCAAAGGGACTTGTGGCTGTGGAGAAAGCTTTAATATTTGAAATCTCAGGACT CTTCTGGCCGTAGGTTCCAGGAAAGCTCGTGGAAGCTNTGGGGCTCACTGCAGAAATCAT GTGACTGGTCACGTGCTGGAAAAATAAGTGATACATCTTGAAATGAATNCAGTGGTGTG GATTCCAGAAGAAATGATATTTATATTCTATANGGGACAGAAATGAGAAGCCATCACT CTTTTTGGATCATTTAGGTCTCTTGTTCCTTTGTTTAGAACAGTTCATTANAAGTGCTT CTGGGCACTGTTATCCATTNCTGACTNGTGCCTCTTTAACGCTATGATGGGCTGTCATC CTCACATTCTCCAACCGGACGGTACTCTAAACTGGACGGACTCGGACTGCTGATAAAAGG GGGCCTTGTTTTCCACCAACTACTAGCTTTTACTTTTAAAATCTGGGACTGCTATGCA CTTAATGTCAGCAATTCTACTAAACAAAT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_030940 unedited CGGCCGAATTTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTAAAGAGGCCATTTTTTTTAAAT TGACAACCTCAATCTCTACATACATACAGTATTGCACGAATTATAAGTGGATCAACAATTA TATTATTGATACAAACTCATGAGCATTACATAAAACTACCGCTAGGTTTTGGTGTGT TTTGTGTGAGCTACTTTAGTGAATAAACGAAACATAAAGGAACTCAGCTACTTGAATTCA TGAGAATCAGCTTTCAAAAAAGCATATATATCATCTCATAGAATACTTATGTCAAACCC AGGAAAATCAGTAACTAAGTGACAAAAGGAACACTTTTAAAGAAAAGTTGGTGATAAATA TGTTAGGCTAAAACTAAGAACTTTAGCAACTGGACCGAGGAACCCAGAAAATGTATGCA CACTGGGAATTTTAAACAAAAGATTACACATTTCTCTGTACAGTGAGGACCACATTCCANA AGCATAATTCTGGGGTGTACAATGTCTCTGTCTACAATCATTGTTTCAAAGGTGAA AGACACAAGATGGTAATTGACATAAAAAAGTTTTAAAAATCTTCCCACTCAAAAATAAAT AAAATTAATATAATCTCTATCAAATTATTAAGACATCCTATCAAAATTTGACCCACA TAAAGAAGGCAGAACCATTTTGCCTTCGCTGACTGCCTTCAGAGGCAGAACATGTGTAC CTACAGGGGGAGAGGGGGTAAAGTTCCTACTCTTCCCCGCCCTGTGNTGCAAGCTGACA AGAAGCCCTTTGCTCCCCTGGGTTTTGTTTCTCTAAAAGGAATTGGGGAGGGGGCTTAA GGCTTAACAAACTTTTACTAAAAAAACAAAGCACTTTGGAGCCATTCTTGAAAAATTA GGCGCAAAAAACGGGATAAAAAAGGGGAGACGTTCTTTCACCTTGAAACCAACCTCAAATA ATTGGCTAAGTAAAAAATTTTCCCGGGCTTAAAAATCCCGGGGCCTCCAGAAATTTT TATAAGGTAAAGGCTTGTACTTGGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_030940
Insert Size:	2140 bp
OTI Disclaimer:	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).
Components:	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:	<ol style="list-style-type: none">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_030940.3 , NP_112202.2
RefSeq Size:	2012 bp
RefSeq ORF:	390 bp
Locus ID:	81689
UniProt ID:	Q9BUE6
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]