

Product datasheet for **SC107700**

HBLD1 (ISCA2) (NM_194279) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | HBLD1 (ISCA2) (NM_194279) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | HBLD1 |
| Synonyms: | c14_5557; HBLD1; ISA2; MMDS4 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_194279, the custom clone sequence may differ by one or more nucleotides |

```
ATGGCTGCCGCCTGGGGTCGTCCCTAACGGCCGCGACGAGAGCGGTCACTCCCTGGCCGAGGGGCA  
GGCTCCTCACGGCCTCCCTGGGACCCAGGCGCGTCGGGAGGCGTCGTCCCTCCAGCCCCGAGCCGGCGA  
AGGGCAGATCCGCCTCACAGACAGTTGCGTCCAGAGGCTTTTGAAATCACCGAAGGGTCAGAATTCCTC  
AGGCTGCAAGTGGAGGGAGGTGGATGCTCCGATTCCAATACAAATTTTCACTGGATACAGTTATCAACC  
CCGACGACAGGTATTTGAACAGGGTGGGCAAGAGTGGTGGTTGACTCTGATAGCTTGGCCTTCGTGAA  
AGGGGCCAGGTGGACTIONCAGCCAAGAAGTATCCGAAGCTCATTTCAAGTGTGAACAATCCTCAAGCA  
CAGCAAGGCTGCTCCTGTGGTCACTTTCTCTATCAAACCTTTGA
```



[View online »](#)

| | |
|-------------------------------------|--|
| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_194279 unedited GTATACGACTCACTATAGGGCGGCCGGAATCGGCACGAGGGGAAGATGGCTGCCGCCTG GGGGTCGTCCCTAACGGCCGCGACGCAGAGAGCGGTCCTCCCTGGCCGAGGGGCAGGCT CCTCACGGCCTCCCTGGGACCCAGGCGCGTGGGAGGCGTCTCCTCCAGCCCCGAGGC CGGCGAAGGGCAGATCCGCCTCACAGACAGTTGCGTCCAGAGGCTTTTGGAAATCACCGA AGGGTCAGAATTCCTCAGGCTGCAAGTGGAGGGAGGTGGATGCTCCGGATTCCAATACAA ATTTTCACTGGATACAGTTATCAACCCCGACGACAGGGTATTTGAACAGGGTGGGGCAAG AGTGGTGGTTGACTCTGATAGCTTGGCCTTCGTGAAAGGGGCCAGGTGGACTTCAGCCA AGAACTGATCCGAAGCTCATTTCAAGTGTGAACAATCCTCAAGCACAGCAAGGCTGCTC CTGTGGGTCATCTTTCTCTATCAAACCTTTGATGTGATGACTGGTACTCTGGGATTGTCA CCAGTTGTACCAATTTGAAGAACCTGGAATTAGTAGAATTCTAGAAGTTTACTTCTAATC ATGTCCCTCTCAATTTTATTTCCCGCAGTCCAGGAGTGTATGTTTTGCCACTATTATTT TCAGAATGTGAAGATTTTACTCTGGCTTAATTNTCCCTCCACTCAGTCTAAGGCTGA GCCTNCAGATGCTGNTACCTCAGATTTAATCACTGGTTGAAACTCCGTATNATCTGTAGA GCCTNCATGGGCTCTAATTTGGAATAACTNCTCTTGCTTAGAGCTGCTGTACATATGTGA TAGCTATGATAAAGCTCATTTAAGAAGGTCTATGTGTTGTGGACAGGTCACAGATGGTA GCTGGACCCGTTTTAGAGAGAGAAGTAATGATGTCTCTTCTCTCN |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_194279 |
| Insert Size: | 1600 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: | <u>NM_194279.1</u> , <u>NP_919255.1</u> |
| RefSeq Size: | 957 bp |
| RefSeq ORF: | 465 bp |
| Locus ID: | 122961 |
| UniProt ID: | <u>Q86U28</u> |
| Cytogenetics: | 14q24.3 |

Gene Summary:

The protein encoded by this gene is an A-type iron-sulfur cluster (ISC) protein found in mitochondria. The encoded protein appears to be involved in the maturation of mitochondrial iron-sulfur proteins. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2012]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).