

Product datasheet for **SC331022**

HBLD1 (ISCA2) (NM_001272007) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HBLD1 (ISCA2) (NM_001272007) Human Untagged Clone
Tag: Tag Free
Symbol: HBLD1
Synonyms: c14_5557; HBLD1; ISA2; MMDS4
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331022 representing NM_001272007.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCTGCCGCCTGGGGTCTGCCCTAACGGCCGCGACGCAGAGAGCGGTCACTCCCTGGCCGAGGGGC
AGGCTCTCACGGCCTCCCTGGGACCCAGGCGCGTCGGGAGGCGTCTCTCCAGCCCCGAGGCCGGC
GAAGGGCAGATCCGCCTCACAGACAGTTGCGTCCAGGGTATTGA

Restriction Sites: SgfI-MluI
ACCN: NM_001272007
Insert Size: 183 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:

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_001272007.1](#)
RefSeq Size: 972 bp



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RefSeq ORF: 183 bp

Locus ID: 122961

UniProt ID: [Q86U28](#)

Cytogenetics: 14q24.3

MW: 6.2 kDa

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 (2) lacks an alternate coding exon compared to variant 1, that causes a frameshift. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.