

## Product datasheet for **RC207304**

### **HBLD1 (ISCA2) (NM\_194279) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HBLD1 (ISCA2) (NM\_194279) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** HBLD1  
**Synonyms:** c14\_5557; HBLD1; ISA2; MMDS4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC207304 ORF sequence  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGCCGCTGGGGTTCGTCCTAACGGCCGCGACGCAGAGAGCGGTCACTCCCTGGCCGAGGGGCA  
GGCTCCTCAGGCCTCCCTGGGACCCAGGCGCGTCGGGAGGCGTCGTCCTCCAGCCCCGAGGCCGCGA  
AGGGCAGATCTGCCTCACAGACAGTTGCGTCCAGAGGCTTTTGGAAATCACCGAAGGGTCAGAATTCCTC  
AGGCTGCAAGTGGAGGGAGGTGGATGCTCCGGATCCAATACAAATTTTCACTGGATACAGTTATCAACC  
CCGACGACAGGTATTTGAACAGGTGGGGCAAGAGTGGTGGTTGACTCTGATAGCTTGGCTTCGTGAA  
AGGGGCCAGGTGGACTTCAGCCAAGAAGTCCGAAGCTCATTCAAGTGTGAACAATCCTCAAGCA  
CAGCAAGGCTGCTCCTGTGGTCACTTTCTCTATCAAATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC207304 protein sequence  
**Red=Cloning site Green=Tags(s)**

MAAAWGSSLTAATQRAVTPWPRGRLLTASLGPQARREASSSSPEAGEGQICLTDSCVQRLLIETEGSEFL  
RLQVEGGGCSGFQYKFSLDTVINPDDRVEQGGARVVVDSDSLAFVKGAQVDFSQELIRSSFQVLNPNQA  
QQGCSCGSSFSIKL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6523\\_b09.zip](https://cdn.origene.com/chromatograms/mk6523_b09.zip)



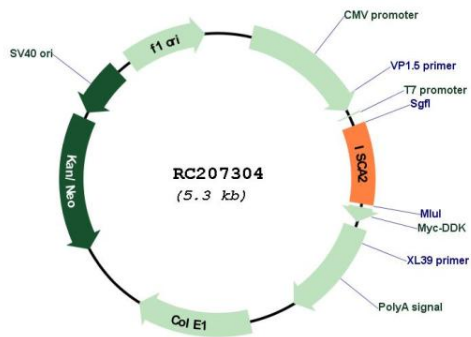
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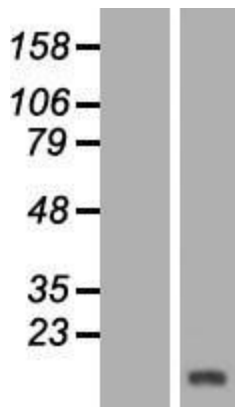
UniProt ID: [Q86U28](#)  
 Cytogenetics: 14q24.3  
 MW: 16.4 kDa

**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]

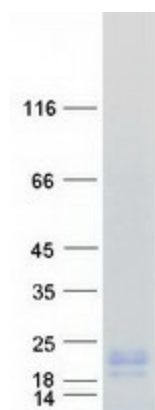
**Product images:**



Circular map for RC207304



Western blot validation of overexpression lysate (Cat# [LY405117]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207304 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ISCA2 protein (Cat# [TP307304]). The protein was produced from HEK293T cells transfected with ISCA2 cDNA clone (Cat# RC207304) using MegaTran 2.0 (Cat# [TT210002]).