

Product datasheet for **RN203553**

Isca1 (NM_181626) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Isca1 (NM_181626) Rat Untagged Clone
Tag: Tag Free
Symbol: Isca1
Synonyms: Hbld2; hIsca
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN203553 representing NM_181626
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCGGCGTCGTTGGTCCGCGCCACCGTGCGGGCCGTGAGCAAGAGAAAAGTCAACCCACGCGGGCGG
CGCTCACGCTGACCCCTCTGCTGTGAACAAGATAAAACAACCTCTTAAAGACAAGCCTGAGCATGTGGG
TCTGAAAGTGGGTGTGCGGACCAGGGGCTGTAACGGCCTCTTTACAGCCTGGAGTATACAAAGACAAA
GGAGATGCTGATGAAGAAGTTATTCAAGACGGAGTCCGAGTGTTTCATCGAGAAGAAAGCCAGCTAACCC
TGTTAGGCACAGAGATGGACTATGTGGAAGACAACTGTCCAGTGAGTTTGTGTTCAACAACCCCAACAT
CAAGGGAACCTGTGGCTGCGGTGAAAGCTTAAACGTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_181626

Insert Size: 390 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_181626.3](#), [NP_853657.1](#)

RefSeq Size: 1875 bp

RefSeq ORF: 390 bp

Locus ID: 290985

UniProt ID: [Q80W96](#)

Cytogenetics: 17p14

Gene Summary: probably a mitochondrial protein involved in the biogenesis of iron-sulfur clusters [RGD, Feb 2006]