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# Product datasheet for MC212648

## Iba57 (NM_173785) Mouse Untagged Clone

## Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Iba57 (NM_173785) Mouse Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | Iba57 |
| **Synonyms:** | 4930543L23Rik; A230051G13Rik; C1orf69 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**Fully Sequenced ORF:**

```
>MC212648 representing NM_173785
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCGGTGGCGCTGCTTCGGGGCGCGGCTGTGGGGCGCAGAAGCCCAGCTTGGCACTGGCGGCTGA
GCGGGACCGCGAGTCACTGCCTAGCCCGTGGCTTTGGCCTTCTTGGCAGCAACCCCGCGGACGGTGTGGC
CTGGACTTGCTTCCGGCTGGACGGGCGCGCCTTAGTGCGCGTGCGCGGCCCGGACGCTGCACCCTTCCTG
TTGGGACTATCGACCAATGAGCTGCCGCTTTCGGGGCCTCCGACCGGCGCGGCTCAGCCCTCTGCGCGTG
CGGCGTATGCCCATTTCCTGAATGTGCAGGGACGCACGCTCTATGACGTCATTCTGTATGGACTCCCAGA
GTGTACGGAGGGGGCACCAAGCTTTCTCCTGGAGTGTGACAGCTCCGTGCTGGGCGCCCTACAGAAGCAC
CTCTCCATGTACAAGATCCGGCGGAAGGTCACCGTGGAGCCAAGTCCGGAGCTCCACGTGTGGGCTGTGC
TACCCTGTGTCCCCCAAACCTCTGAGACTGCACCTCTAGAAGAGAGGGTAGAAGGCACCACCATGCTTAT
CCGTGACCCCCGGACTGCACGTATGGGGTGGCGGCTTCTCACCCAGGATGATGGCCCAGCCCTGGTGCCC
AGGGGACAGCTTGGGGATCTCCAAGATTATCACAAGTACCGGTACCAGCAAGGCATCCCCGAGGGAGTCT
GTGATCTTCCCCCAGGGATGGCCCTCCCCCTGGAGTCCAACCTGGTCTTCATGAATGGCGTGAGCTTCAC
GAAGGGCTGCTACATTGGGCAGGAGCTGACGGCCCGGACCCACCATACAGGTGTCATCCGCAAGCGCCTC
TTCCCAGTGAAGCTTGAAGGCCCCCTGCCTGCAAGTGGCGTCAGCCCTGGCGCCATAGTGACGGTGACTG
CCACAGGCCAGGCAGCGGGCAAGTTCAGGGCTGGCCAGGGACACGTGGGACTGGCTTTGCTGCGGTCAGA
GACAATCAAGGGTCCTCTCCACATCAAGACCTCCGAGAGCCAGTTGGTGGCTGTGACTGCCGTGGTGCCG
GACTGGTGGCCCACAGCTGCCAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

**Restriction Sites:** SgfI-MluI

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| | |
|---|---|
| **ACCN:** | NM_173785 |
| **Insert Size:** | 1077 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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_173785.6, NP_776146.1 |
| **RefSeq Size:** | 4027 bp |
| **RefSeq ORF:** | 1077 bp |
| **Locus ID:** | 216792 |
| **UniProt ID:** | Q8CAK1 |
| **Cytogenetics:** | 11 B1.3 |
| **Gene Summary:** | Involved in the maturation of mitochondrial 4Fe-4S proteins functioning late in the iron-sulfur cluster assembly pathway.[UniProtKB/Swiss-Prot Function]<br>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). |

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