

Product datasheet for **MC226463**

Iba57 (NM_001270791) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Iba57 (NM_001270791) Mouse Untagged Clone
Tag: Tag Free
Symbol: Iba57
Synonyms: 4930543L23Rik; A230051G13Rik; C1orf69
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226463 representing NM_001270791
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGCGGTGGCGCTGCTTCGGGGCGCGCTGTGGGGCGCAGAAGCCAGCTTGGCACTGGCGGCTGA
GCGGGACCGGAGTCACTGCCTAGCCCGTGGCTTTGGCCTTCTTGGCAGCAACCCCGGGACGGTGTGGC
CTGGACTTGCTTCGGCTGGACGGGCGCGCCTTAGTGCGCGTGGCGGGCCGGACGCTGCACCCCTCCTG
TTGGGACTATCGACCAATGAGCTGCCGCTTTCGGGGCCTCCGACCGGCGCGGCTCAGCCCTGCGCGTG
CGGCGTATGCCCATTTCTGAATGTGCAGGGACGCACGCTCTATGACGTCATTCTGTATGGGCTGTTGTT
GAAGTGTCTAGCTGTGCTTCAGCTGTGACAGCTGGCAGGCTTGCCTTCCCTGCAGCTTTGGCTTGTG
AACTGCTCAGCTGCTGCCGCCCACTGCAGTTCCACCGCCTCTGCTGACCTCTGCTGTCTCTGCTGCTT
CTTTCTGTTACCAGCCAGCCACACTACAGAAAGCAAGAAAAGAAAATGGAGAGAAGCCTTTTCTCGGG
CCTGCTGCTCCACACTGGGGCAAAGCTCAGGAAAGTCTCCACAACCTCACTAAGTGAGCCTTCACAG
CCTGTTTGTATCGCCCCAGAAAGGATGTTTGGACCAATCACAGACTTGCCTATCGGCAACCTTCGTAATG
ACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001270791
Insert Size: 705 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001270791.1, NP_001257720.1</u>
RefSeq Size:	950 bp
RefSeq ORF:	705 bp
Locus ID:	216792
Cytogenetics:	11 B1.3
Gene Summary:	<p>Involved in the maturation of mitochondrial 4Fe-4S proteins functioning late in the iron-sulfur cluster assembly pathway.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains alternate 3' exon structure and it thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1.</p>