

Product datasheet for **MC206891**

0610038F07Rik (BC060090) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	0610038F07Rik (BC060090) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	0610038F07Rik
Synonyms:	MGC61338
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206891 representing BC060090. Blue=ORF Red=Cloning site Green=Tag(s)

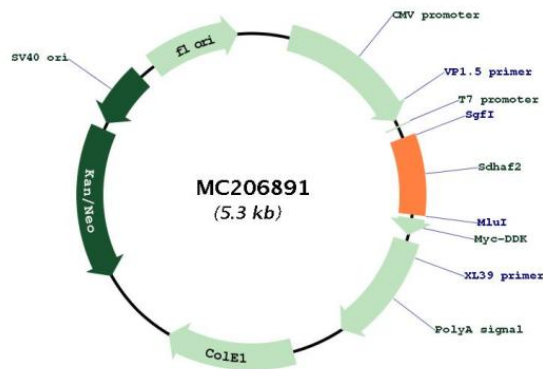
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGTGGTCACCTTGATCCCGACGCTGGCGGGGCACTGTCAAAGCACAGTCTGCTGTCTCCCTTG
CCTAGTGTGACATCATTACAGACGCTTCTACAGAGGTGACAGCCCAACAGACTCTCAAAAAGACATGATT
GAAATCCCTTTGCCTCCGTGGCAGGAGAGAACTGATGAATCCATAGAAACCAAAGAGCCCGTTACTC
TATGAGAGCAGAAAGAGGGGGATGCTGGAGAACTGCATTCTCCTTAGCCTGTTTGCTAAAGAGTATCTG
CACAACATGACAGAGAAGCAGCTGAACCTCTATGATCGCCTGATTAACGAGCCTAGCAATGACTGGGAT
ATTTACTACTGGCCACAGGTATGCCATATGCTGAGCTGCATCTTGGGATAATACGATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:



ACCN: BC060090

Insert Size: 405 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: [BC060090](#)

RefSeq Size: 3993 bp

RefSeq ORF: 404 bp

Locus ID: 66072

Cytogenetics: 19 A

MW: 15.7 kDa

Gene Summary: Plays an essential role in the assembly of succinate dehydrogenase (SDH), an enzyme complex (also referred to as respiratory complex II) that is a component of both the tricarboxylic acid (TCA) cycle and the mitochondrial electron transport chain, and which couples the oxidation of succinate to fumarate with the reduction of ubiquinone (coenzyme Q) to ubiquinol. Required for flavinylation (covalent attachment of FAD) of the flavoprotein subunit SDHA of the SDH catalytic dimer.[UniProtKB/Swiss-Prot Function]