

Product datasheet for **MC207026**

1810020G14Rik (BC005675) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: 1810020G14Rik (BC005675) Mouse Untagged Clone
Tag: Tag Free
Symbol: 1810020G14Rik
Synonyms: 1810020G14Rik; 1810055I05Rik; BB388670
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC005675
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATTGCGCCCGCTGTGTTGCGAGCTCTGCGTAAGAACAAGACTCTACGCTATGGAGTCCCATGTTGT
TGCTGGTTGTTGGAGTTCTTTTGGTCTTCGTGAATTTTCACAAATCCGGTACGATGCTGTGACAATTAA
GATTGATCCTGAATTGGAGAAAAATTGAAAGTGAATAAAATAACTTTAGAGTCAGAGTATGAGAGGCTG
TTATGTTTATTGTCAGACAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: BC005675

Insert Size: 234 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).



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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: [BC005675](#), [AAH05675](#)

RefSeq Size: 639 bp

RefSeq ORF: 233 bp

Locus ID: 66272

Cytogenetics: 12 D1

Gene Summary: Required for the assembly of the mitochondrial respiratory chain complex IV (CIV), also known as cytochrome c oxidase. Promotes the insertion of copper into the active site of cytochrome c oxidase subunit II (MT-CO2/COX2). Interacts specifically with newly synthesized MT-CO2/COX and its copper center-forming metallochaperones SCO1, SCO2 and COA6. Probably facilitates MT-CO2/COX2 association with the MITRAC assembly intermediate containing MT-CO1/COX1, thereby participating in merging the MT-CO1/COX1 and MT-CO2/COX2 assembly lines.[UniProtKB/Swiss-Prot Function]