

Product datasheet for **MC210317**

Smim20 (NM_001145433) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Smim20 (NM_001145433) Mouse Untagged Clone
Tag: Tag Free
Symbol: Smim20
Synonyms: 1110067B18Rik; 1810013D10Rik; N28078
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC210317 representing NM_001145433
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGCGGCCCGAACCTGCGCACCGCGCTCATATTCGGAGGCTTCATCTCCATGGTCGGCGCCGCT
TCTATCCCATCTACTTCCGGCCCTTATGCGGCTGGAGGAATACCAGAAGGAGCAGGCTGTAATCGAGC
TGGTATTGTCCAGGAAGATGTGCAACCGCCAGGGTTGAAAGTGTGGTCTGATCCATTTGGCAGGAAATGA

ACGGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001145433
Insert Size: 210 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: [NM_001145433.1](#), [NP_001138905.1](#)

RefSeq Size: 1036 bp

RefSeq ORF: 210 bp

Locus ID: 66278

UniProt ID: [D3Z7Q2](#)

Cytogenetics: 5 C1

Gene Summary: Component of the MITRAC (mitochondrial translation regulation assembly intermediate of cytochrome c oxidase complex) complex, that regulates cytochrome c oxidase assembly (By similarity). Promotes the progression of complex assembly after the association of MT-CO1/COX1 with COX4I1 and COX6C (By similarity). Chaperone-like assembly factor required to stabilize newly synthesized MT-CO1/COX1 and to prevent its premature turnover (By similarity).[UniProtKB/Swiss-Prot Function]