

Product datasheet for **MC207558**

Sdhaf2 (NM_025333) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sdhaf2 (NM_025333) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sdhaf2
Synonyms: 0610038F07Rik; AA407634; AW049997
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC207558 representing NM_025333
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGTGGTCACCTTGATCCCGACGCTGGCGGGGCACTGTCAAAGCACAGTCTGCTGTCTCCCTTGC
 CTAGTGTGACATCATTACAGACGCTTCTACAGAGGTGACAGCCCAACAGACTCTCAAAAAGACATGATTGA
 AATCCCTTTGCCTCCGTGGCAGGAGAGAACTGATGAATCCATAGAAACAAAAGAGCCCGCTTACTCTAT
 GAGAGCAGAAAGAGGGGGATGCTGGAGAACTGCATTCTCCTTAGCCTGTTTGCTAAAGAGTATCTGCACA
 ACATGACAGAGAAGCAGCTGAACCTCTATGATCGCCTGATTAACGAGCCTAGCAATGACTGGGATATTTA
 CTACTGGCCACAGAAGCAAAACAGCCCCAGAAATATTTGAAAATGAAGTCATGGAATTGCTGAGAGAA
 TTCGCCAAAAACAACAAAGGAGCAGAGACTGCGTGCCCGATCTGGAGTATCTCTTTGAAAAGCCTC
 AT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_025333
Insert Size: 495 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).



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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_025333.4</u> , <u>NP_079609.2</u>
RefSeq Size:	3116 bp
RefSeq ORF:	495 bp
Locus ID:	66072
UniProt ID:	<u>Q8C6I2</u>
Cytogenetics:	19 A
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]