

Product datasheet for MC207907

Slc25a51 (NM_001009949) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a51 (NM_001009949) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc25a51
Synonyms:	9130208E07Rik; D130005A03Rik; Gm138; Mcart1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207907 representing NM_001009949 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGATGGACTCCGAAGCACATGAGAAGAGGCCCAATGTTGACCTCTTCGAACCAGGACTTGTACCTC
ACATTGCGGGCGTGGGAGACATGAAACATTACTTGTGTGGCTACTGCGCGCCTTCAACAACGTGGCGAT
CACTTACCCGGTTCAGAAGATCCTCTCCGGCAGCAGCTTACGGCATCAAGACCCGGGATGCAGTCCTG
CAGCTGAGGAAGGATGGGTTCCGCAACTGTACCGCGGAATCCTGCCCGCTGATGCAGAAGACGACCA
CGCTGGCACTTATGTTTGGTCTGTATGAGGACCTGTCGCGCTGCTCCACAAGCACGTGAGCAGCGCTCC
CGAGTTTGCCACCCGTAGCGTGGCGGCGCTGCTGGCCGGGACGACGGAAGCCATTCTCACTCCATTGAA
AGGGTTGAGACTTGTTCAGGACCACAAACATCACGATAAGTTCACAAACACTTACCAGGCCTTACGGG
CGCTCAGATGCCATGGGATTGCAGAGTATTACCGAGGCATGGTGCCATCCTTTTCCGGAATGGGTTCCG
CAATGTCCTTTTTTTGGCCTTCGAGGGCCCATTAAGGAGAGCCTGCCTACTGCCACTACATACAGCGCC
CACCTGGTCAACGACTTCATCTGTGGAGGTGACTCGGGGCCGTGCTGGGCTTCTTAAGCTTCCCCATTA
ACGTTGTCAAAGCTCGAATACAGTCTCAGATTGGCGGGCCATTCTGTCTCTCCCATGGTCTTCAAGAC
TATCTGGATAGACGGGACAGGAAGCTGATCAATCTCTCAGAGGTGCACATCTGAATTACCACCGCTCT
CTCATCTCCTGGGAATAATCAATGCCACTTACGAGTTTTTGTAAAGATTGT**GA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001009949
Insert Size:	897 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001009949.3 , NP_001009949.3
RefSeq Size:	4438 bp
RefSeq ORF:	897 bp
Locus ID:	230125
UniProt ID:	Q5HZI9
Cytogenetics:	4 B1
Gene Summary:	Mitochondrial membrane carrier protein that mediates the import of NAD(+) into mitochondria. Mitochondrial NAD(+) is required for glycolysis and mitochondrial respiration. Compared to SLC25A52, SLC25A51-mediated transport is essential for the import of NAD(+) in mitochondria.[UniProtKB/Swiss-Prot Function]