

Product datasheet for **MC201079**

Ndufs7 (NM_029272) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ndufs7 (NM_029272) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ndufs7
Synonyms:	1010001M04Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC013503 sequence for NM_029272 GATGGCGGCGCTGGCGGCTCCTGGCCTGCTCTGTACGGATCCTGGGTCTGCGCACAGCACAGGTCCAG CTGCGCAGAGTTCATCAGAGTGTAGCCACTGAGGGCCCGAGCCCGAGCCCAAGCCCGAGCCTGAGCAGCA CACAGTCTGCTGTGTCCAAGGCTGGAGCTGGAGCCGTGGTCCCAAGCTCTCTCATCTTCCCGAAGCCG GGCTGAGTATGTGGTGACCAAGCTGGATGACCTCATCAACTGGGCACGCCGGAGCTCCCTGTGGCCTATG ACCTTCGGCCTGGCGTGTGTGCGTGGAGATGATGCACATGGCTGCGCCGCGCTATGACATGGACCCT TCGGTGTGGTGTCCGTGCCAGTCCGCGCCAGGCTGATGTGATGATTGTAGCTGGCACGCTTACCAACAA GATGGCCCCGCGCTCCGAAAGGTGTACGACCAGATGCCCGAACCCCGCTATGTGGTGTCCATGGGGAGC TGTGCCAATGGCGGTGGCTACTACCACTACTCCTACTCGGTTGTTCGTGGCTGTGACCGCATTGTGCCAG TGGACATCTATGTGCCAGGCTGCCCGCCACGGCCGAAGCACTCCTTTATGGCATCTTGACGCTGCAACG GAAGATCAAGCGTGAACAGAAGCTGAAGATCTGGTACCGCAGGTAGAGCTGCCAGGCTGAGCAGATAAT CCCAGAATCCCTTGTGAATAAACCCATCCTGATCCAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_029272
Insert Size:	675 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: [BC013503](#), [AAH13503](#)

RefSeq Size: 751 bp

RefSeq ORF: 675 bp

Locus ID: 75406

UniProt ID: [Q9DC70](#)

Cytogenetics: 10 39.72 cM

Gene Summary: Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.[UniProtKB/Swiss-Prot Function]