

Product datasheet for **RN203999**

Ndufaf5 (NM_001126371) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ndufaf5 (NM_001126371) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ndufaf5
Synonyms:	RGD1309829
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN203999 representing NM_001126371 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCGACGAGTCGTTCTTTTCGCGCCTATACGCAAGGCTTGGAGGTCCTGCTGTCTCTGCAGGGAGAG
GTGGTCGAGGGGGGTCGCTTCCAGTGTTCTCCTTCGGGCAGCACCTCGCCAGAGCTCTAAACATCTT
CGACAGGGAATTGAAGAGGAAGCAGAAGAATTGGGCTGCCCGGCAGCCCGAGCCCATGAAATTTGACTAC
CTGAAGGAGGAGATTGGAAGTCGGATTGCAGACCGTGTATACGACATAGCCAGAGATTTCCCTTGCAC
TGGACATAGGATGTGGAAGAGGCTACATAGCACAACTTTGAATAAGGAGACTGTGGAAAGATCTTCCA
AACAGACATTGCAGAACATGCTTTGAAAAATCCATAGAAACAGATATTCTACTGTGAATATTTAGCT
GATGAAGAATTCCTTCCCTTCCAGAAAAACACGTTTGACCTGGTGGTTAGCAGCTTAAGTTTGCAGTGGG
TGAATGACCTCCCTAGAGCACTTGAACAGATTCAATATGTCTTAAACCAGATGGAGTGTGTTGGTGC
AATGTTTGGAGGTGACACGCTCTATGAACTCCGGTGTTCACTACAGTTAGCAGAGACAGAAAGGGAAGGA
GGCTTTTCCACACATTTCTCTTCACTGCTGTCAATGACCTAGGGCATCTGCTGGGAAGAGCTGGCT
TCAACACTCTGACTGTGGATACTGATGAAATTCAAGTTAACTATCCTGGAATGTTGAATTGATGGAAGA
TTTAAAGGGATGGGTGAGAGCAACTGTTCTTGAACAGAAAAGCCCTGCTGCACCGAGACACAATGCTG
GCAGCTCGCGCGGTGTACAGAGAAATGTACAGCAATGAGGATGGTTCATTCTGCCACATATCAGATCT
ACCATATGATAGGATGGAAATACCATGACTCTCAGGCAAGGCCAGCTGAAAGAGGTTGAGCAACCGTGTC
ATTTGGAGATCTAGCAAGACTAAATGATACCATGTCACAGGGGAAAAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



[View online »](#)

ACCN:	NM_001126371
Insert Size:	1032 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).
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:	<u>NM_001126371.1, NP_001119843.1</u>
RefSeq Size:	1119 bp
RefSeq ORF:	1032 bp
Locus ID:	296190
UniProt ID:	<u>B2GV71</u>
Cytogenetics:	3q41
Gene Summary:	Arginine hydroxylase involved in the assembly of mitochondrial NADH:ubiquinone oxidoreductase complex (complex I, MT-ND1) at early stages. Acts by mediating hydroxylation of 'Arg-111' of NDUF57. May also have methyltransferase activity.[UniProtKB/Swiss-Prot Function]