

Product datasheet for **MC205624**

Ndufaf5 (NM_027093) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ndufaf5 (NM_027093) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ndufaf5
Synonyms: 2310003L22Rik
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC005630
 GCGGCAGTCGCAGGGAGGTCGCTTCTGGTGTCCCTCCTTCGGGCAGCACCTCGCCAGAGCCCTAAACAT
 CTCGACAGGGAATTGAAGAGGAAGCAGAAGAATTGGCCGCCCGCAGCCCGACCCCATGAAATTTGAC
 TACCTGAAGGAGGAGGTTGGAAGTCGGATTGCAGACCGTGTATGACATAGCCAGAGACTTCCCTTG
 CCCTGGACATAGGATGTGGAAGAGGCTACATAGCACAACATTTGGATAAAGGAGACTGTGGAAAGATCTT
 CCAAACAGACATTGCAGAGCATGCTTTGAAAAATCTTTAGAAACAGATATTCCTACTGTGAATATTTTA
 GCTGATGAAGAATTCCTTCCCTTCCAAGAAAACACGTTTGACCTGGTGGTTAGCAGCTTAAGTTGCACT
 GGGTGAATGACCTCCCGAGAGCACTTGAACAGATTCATTATGTCTTAAAACAGATGGGGTGTGTTGG
 TGCAATGTTTGGAGGCGACACACTCTATGAACTCCGGTTCATTACAGCTAGCAGAAACTGAAAGGGAA
 GGAGGCTTTTCCACATATTTCTCTTCACTGCTGCAATGACCTAGGGCATCTGCTGGGAAGAGCTG
 GCTTCAACACTCTGACTGTGGATACTGATGAAATTCAGTAACTATCCTGGAATGTTTGAATTGATGGA
 AGATTTAAAAGGTATGGGTGAGAGCAACTGTTCTTGAACAGAAAAGCCCTGCTGCACCGAGACACAATG
 CTGGCAGCTGCAGCGTTTACAGAGAAATGTACCGGAATGAGGATGGTTCATACCTGCCACCTTTCAGA
 TCTACCACATGATAGGATGGAAATACCATGACTCTCAGGCAAGGCCAGCTGAAAGAGGTTCTGCAACCGT
 GTCATTTGGAGAGCTAGCAAACTAAATGATGTGCATGTGCGCATGAGAAAAATAATAAATACTTTGTTCA
 ATAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_027093

Insert Size: 471 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>BC005630</u> , <u>AAH05630</u>
RefSeq Size:	998 bp
RefSeq ORF:	471 bp
Locus ID:	69487
UniProt ID:	<u>A2APY7</u>
Cytogenetics:	2 F3
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 NDUFS7. May also have methyltransferase activity.[UniProtKB/Swiss-Prot Function]