

Product datasheet for **RR210476**

Ndufs5 (NM_001030052) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ndufs5 (NM_001030052) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ndufs5
Synonyms: Ndufs5b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210476 representing NM_001030052
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCTTTCCTTGATGTGCAGAAAAGGCTGGGCATTAGCCTAGATCGACACTTTATATTCCTAAGTGCTG
AGCAGCCTTACAAGAATGCCGCTCGATGCCACGCATTTGAAAAGGAGTGGATAGAATGCGCACATGGGAT
CGGTGCTACCCGGGCTAAAAAGAGTGCAAGATAGAGTATGAAGACTTTGAAGAATGCTTCTTCGGTTC
AAAACGATAAGGCGGATGCATGAAATCAAGAAACAGCGGGAGAAGCTGATGAAAGAGGGGAAGTACACCC
CTCCGCCTCACCATTTGGCAAGGAGGAGCCAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210476 representing NM_001030052
Red=Cloning site Green=Tags(s)

MPFLDVQKRLGISLDRHFIFLSAEQPYKNAARCHAFEKEWIECAHGIGATRAKKECKIEYEDFEECFLRP
KTIRRMHEIKKQREKLMKEGKYTPPHHLGKEEPRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001030052.1</u> , <u>NP_001025223.1</u>
RefSeq Size:	538 bp
RefSeq ORF:	321 bp
Locus ID:	362588
Cytogenetics:	5q36
MW:	12.7 kDa