

Product datasheet for **RR200315**

Ndufv3 (NM_022607) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ndufv3 (NM_022607) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ndufv3
Synonyms:	Mipp65; Ndufv3l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR200315 representing NM_022607
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGTCTCTCTCTCTGCTGCGGGGAGGACGAATCCGGGCGCTGAAGGCTGCCCTTCTCGAGGCAAGG
 TGTTCCGAGGAGAACTGGCTTCTACAGTCCCCCTGTCTACAGAGTCCGAGAATAATAAAAAGGCGGCAGG
 ACCAACTAGCAAGACGGAAGTGTGTTCAAAGATGTGGTGGGAGCAGAGGAGAGGGCCAAGCTCCTAGAC
 ACTCACACAGCAGCGGCACTGTCCAAAAGCTCCCTCCACCCAGTTCTTACCCATCAGTGGAGAACACAG
 GTGGGGCTGTGCGCAGGCCTGCCGCTCACAGACTTGTCAAGAAAGACTTTGGTAGCGTTTCTCAGAAAGT
 TACGCCTCACCCGCATGCCTGGGCTTCTGACTCGGAGGCTCGCGGCATGTCCAGAAAAGTACGAAAAGT
 TCATCTTCATCTTCTCATCCAGCTCCTCAGATTCAGACTCTGATGGGGAGGAACATGGCTCCGACATTG
 GTCCCGAGTGGCAAGCAAAAGCAAGGCAGGGTTTTCAAACCTGAGGCTTCTCGTCCCTCGAAGAACGG
 AGCCCTAAGATCACAGTTTTTCAAAGAGAAGGCCAAGGTGCAGAAGCCACACACAGATGTCACCTAC
 CCAGAGAAGCCCTGCAGCCTAAGAAGAAAGGGACTTTACCAAGCCTGTAGAAGATAGTAAAGAAACCA
 GGTCCAAGCTCATGACATCCAAGCCACAGTCCAGTGAGGTTTTGGAGCAAAAAATGAAGGAAAAACAGCA
 CCAGGGAAAACGGAGACCAGACAAGACAGGAAAGGAAAGCACAGAGCTGTTTGAAGCTGAAGGAATTTTA
 CCCGGCCACAGGAAAGCCAGAGTTTCCACACAGCCACAACCGGAACACAAGAGGCCAGCGCAGAAGTCC
 GGCCAGCCGCTGCCCCGAGTCCGGAGCTAGACAGGAAGCCAAAGGGCCAGAGCTCGAATGGAAGACCGC
 TTCTCCCTGGTCAGAAAAGAAAGCCTGGAGAAGCAGGTGCCAGAAGGGAGCTTCCAGGCCGAGGAGGAG
 ACCTCAGGAGATCAGACACTAGGGAGATATTCGAAGACAGTTCCTGTTGAGGAGAAAAATACCTTTGGAG
 AGAGAGCTGGACCACAACCTGGAGGGGACGTTCCAGGCGCCAGCCGCGAAGCCCGCCACTGATGCAGG
 CCCACCCAGGAAGCCCGAGGCACACAGGAGCCACACTGGTTCCCGAGTCGAGTGACACCACCACC
 TACAAGAACCTGCAGCATCATGAGTACAACGCATTACCTTCTAGACCTGAACCTGGACCTCTCCAAGT
 TCAGGCTGCCACAGCCGCTTTCGGGACGAGAGTCCGCCCGGCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200315 representing NM_022607
 Red=Cloning site Green=Tags(s)

MAVSLLLRGGIRALKAAALLEAKVFRGELASTVPLSTESENNKAAGPTSKTESVFKDVGAEERAKLLD
 THTAAALSKSSPPSSYPSVENTGGAVAGLPLTDL SRKTLVAFPPQKVTPPPHAWASDSEARRHVQKVTKD
 SSSSSSSSDSDSDGEEHGSIDIGPRVASKSKAGFSKPEASRPSKNGAPKITVF AKEKAKVQKPHTDVTY
 PEKPLQPKKKGTF TKPVEDSKETRSLMTSKPQSSEVLEQKMKKEQHQQKRRPDKTGKESTELFEAEGIL
 PGRHKARVSTQPTTGTQEASAELRPAAAPESGARQEAKGPELEWKTASPLVRKESLEKQVPEGSFQAE
 TSGDQTLGRYSKTVPEEKNTFGERAGPQLEGTQAPAGEAPPTDAGPPQEAPGDTQEPTLVPESDSTT
 YKLNQHEYNAFTFLDLNLDLSKFRLPQPSSGRESRPH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_022607

ORF Size: 1374 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:**
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: [NM_022607.2](#), [NP_072129.2](#)

RefSeq Size: 1536 bp

RefSeq ORF: 1377 bp

Locus ID: 64539

Cytogenetics: 20p12

MW: 49.3 kDa

Gene Summary: heat stable phosphoprotein localized to the mitochondrion; may undergo arachidonic acid dependent phosphorylation by PKN [RGD, Feb 2006]