

Product datasheet for **RR209697**

Ndufaf1 (NM_001106500) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ndufaf1 (NM_001106500) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ndufaf1
Synonyms:	Cia30
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209697 representing NM_001106500 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCTATTCACAAATTACTGATAGGTACTTATATTCATAGAACTCCTGAGGCCAAGGGCTGCAG
TACCTCCGTTTGTGGTAATCACTTCGTAGACTATTCTCCAGTAGTCTTCAGAAACAAGTGGCTTCTGC
TAACAAAGTCTCCAGCAGGGAAAGACTGAAGAAGGCTTACAAGGACATGACCACAAAGAAGTTGCTTTG
GATGTACCTTCTCCTGACAGGACACCTGAAGTTAGTTTTGATAAAGCAATTAGAGATGAAGCAATGGAAC
ATTTTAGACGTTTGAAGGATGAAATTGTGGCTCATGTGAGAGGTCCAGATGGCCGCCCACTACATGAGGT
CATAATGGAACAAGCCAGGGTTGTCTGGCAGTTTCGTGAAAAAGAAGATTTGGATAAGTGGATACTGACT
TCTGATAAGACAATTGGAGGTAGAAGTGAATAATCTTGAAAAAGCAAGCAAGCAACCGAAGTGCCTCC
TTTATGGAAGTCTGAGCTCTGAGGCGCCTCAGGATGGGAAAGTAACCAAGTGGATACTGTGCGATGAT
CTCCAGGATCCAAGGGTGCTTTTGGAGGAAGCTGTCTTATGATTGGTCCCAGTTCAATACTCTGTAT
CTCCGAGTCCGTGGGGATGGCCGGCCTTGATGGTGAATTAAGCAAGACACGGAGTTTATCCAGAGGA
AAAATCAGATGTACAGTTACTTTCATGTTTACCCGTGGGGACCCACTGGCAGGAAGTCAAGATTCCTTT
CTCCAAATTTTTCTTTTCAAATCAAGGAAGGATACGAGATGTACAGGGCCCACTGATACTGGACAAGATC
TCTTCTATAGGATCACTCTGTCTGATAAGGTGGATGGACCATTCTTTCTGAAAATAGATTTCAATGGTG
TGTTTACTGATCCAGCCCATACAGAAGAATTTGCTTATGAGAATTCCTCAGATCTTAACCAAGACTTTT
CAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209697 representing NM_001106500
Red=Cloning site Green=Tags(s)

MASIHKLLIGTYIHRNFLRPRAAVPPFVGNHFVDYSSSSLQKQVASANKVSQQGKTEEGLQGHDKHEVAL
 DVPSDRTPPEVSFDKAIRDEAMEHFRLKDEIVAHVVRGPDGRPLHEVIMEQARVVWQFREKEDLDKWILT
 SDKTIGGRSEIFLKMSKNNRSALLYGTLSEAPQDGESNQSGYCAMISRIPRGA FERKLSYDWSQFNTLY
 LRVRGDGRPWVNIKQDTEFIQRKNQMYSYFMFTRGGPYWQEVKIPFSKFFFSNQGRI RDVQGPLILDKI
 SSI GFTLSDKVDGPF FLEIDF IGVF TDP AHT EEFAYENSPDLNPR LFK

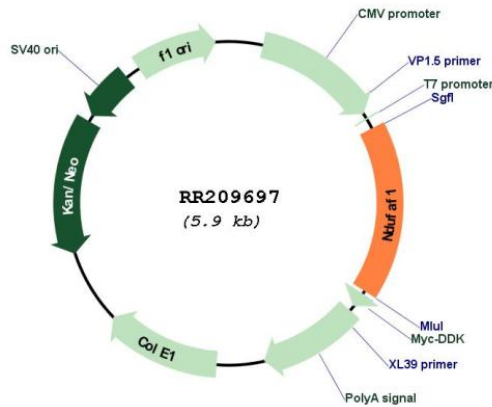
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106500

ORF Size: 984 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:	<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_001106500.1</u> , <u>NP_001099970.1</u>
RefSeq Size:	1486 bp
RefSeq ORF:	987 bp
Locus ID:	296086
Cytogenetics:	3q35
MW:	37.8 kDa