

Product datasheet for **RR203310**

Nudt9 (NM_001006991) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Nudt9 (NM_001006991) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Nudt9
 Synonyms: MGC94618
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR203310 representing NM_001006991
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGGCCGCTCCCTGGGGAAGGCGGTAGCCACCGTGTGCTCTCGGTGGCCCTCGGTCGGTAACTG
 TCCGGTCTCAGGCTGCCGCGCCATCCCCGACCCAGAAACCCATTTCCATCCTGTGGGTTTCACCTAA
 AGCCAACATCATGTCTGGTTCTAATGGTGTCAAAGACAATCCCACAACAAGGCCCGGACATCTCCTTAC
 CCAGGTTCAAAAGTCGAGCGAAGCAAGGTTCCCAATGAGAAGGTGGGCTGGCTTGTGAGTGGCAGGACT
 ACAACCCAGTGGAGTACACCGCGGTCTCTGTGTTGGCTGGACCCAGTGGGCAGACCCCTCAGATCAGCGA
 GAGTAGCTTCTCTCCAGATTTAATGAGAAGGACGGGCATGTGGAGAGGAAGAGCCAGAACGGCCTGTAC
 GAGATTGAGAACGGGAGGCCAGAAATCCTGCAGGGAGGACAGGACTAGTTGGCCGGGTCTTCTGGGGA
 GATGGGGCCAAATCATGCAGCAGATCCTATTATAACCAGGTGGAAGAGGGACGAGAGCGGGAACAAGAT
 CACACACCCTGTCTCTGGGAAATGCATCTTGCAGTTTCGTCGCCATCAAAAGGAAAGACTGCGGAGAGTGG
 GCGATCCCAGGGGGATGGTGGACCCCGGAGAGAAGATCAGTGCCACACTGAAAAGGGAGTTTGGTGAGG
 AAGCCCTGAACTCGTTACAGAAGTCCAGTGCAGGAGAAGAGGGAGATCGAGGAGAAGTGCACGCACTCTT
 CAGCCAGGAGCATCTTGTGATATATAAGGGCTATGTCGACGACCCCGGAACACTGACAACGCATGGATG
 GAGACTGAGGCAGTGAACCTACCATGATGAGACAGGGGAGACGATGGACAACCTCAGCTGGAGGCTGGAG
 ATGATGCGGGGAAGGTGAAGTGGGTGGACATCAGCGACCAAGCTCAAGCTGTATGCCAGTCACTCACAGTT
 CATCAAACCTCGTGGCAGAGAAGCGAGATGCCCACTGGAGCGAGGACTGTGCTGCTGACAGCCACGGGCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203310 representing NM_001006991
Red=Cloning site Green=Tags(s)

MAGRSLGKAVATVSL SVALASVTVRSSGCRAIPAPRNPFPSCGFHLKANIMSGSNGVKDNSHNKARTSPY
 PGSKVERSKVPNEKVGWLVWQDYNPVEYTA VSVLAGPQWADPQISESSFSPRFNEKDGHVERKSQNGLY
 EIENGRPRNPAGRTGLVGRGLLGRWGNHAADPIITRWKRDESGNKITHPVSGKCILQFVAIKRKDCGEW
 AIPGGMVDPGEKISATLKRFGEEALNSLQKSSAEKREIEEKLHALFSQEHLVIYKGYVDDPRNTDNAME
 ETEAVNYHDETGETMDNLTLEAGDDAGVKWVDISDQLKLYASHSQFIKLVAEKRDAHSEDCAADSHGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001006991

ORF Size: 1050 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_001006991.1](#), [NP_001006992.1](#)

RefSeq Size: 1429 bp

RefSeq ORF: 1053 bp

Locus ID: 305149

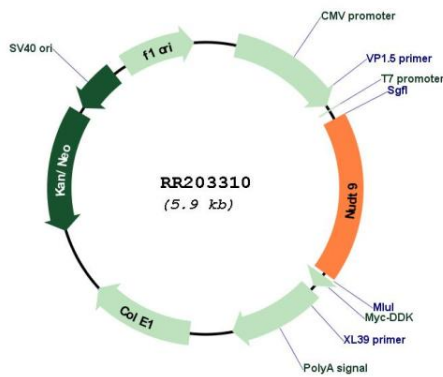
UniProt ID: [Q5XIG0](#)

Cytogenetics: 14p22

MW: 38.6 kDa

Gene Summary: Hydrolyzes ADP-ribose (ADPR) to AMP and ribose 5'-phosphate.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR203310