

## Product datasheet for **MG205315**

### Nudt9 (BC033921) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nudt9 (BC033921) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nudt9
Synonyms:	1190002C07Rik; ADPR-PPase; AI462474
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205315 representing BC033921 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGGCCGCTCCCTGGGGCAGGCGGTAGCCACCGTGTGCTCTCGGTGGCCCTCGCGTCAGTGACTG  
TCCGGTCTCAGCCTGCCGCGCGTCCCCGCACCCAGAAACACATTTCCAACCTGTGGTTCCACCTTAA  
CGCCAACATCATGTCTGGTTCTAATGGTGCCAAAGAGAATCCCACAACAAGGCCGGACTTCTCCTTAC  
CCAGGTTCAAAGTCGAGCGAAGTCAGGTTCCGAATGAGAAGGTGGGCTGGCTCGTTGAGTGGCAGGACT  
ACAACCCAGTGGAGTACACCGCGTCTGTCTGGCTGGACCCAGTGGCGGACCCCTCAGATCAGTGA  
AAGCAACTTCTCCCAAGTTAATGAAAAGGACGGGCATGTTGAGAGAAAGAGCCAGAATGGCCTGTAT  
GAGATTGAAAACGGAAGACCCAGAAACCCGTCAGGGAGGACAGGACTGGTTGGCCGGGCTTCTGGGGA  
GATGGGGCCAAATCATGCTGCAGATCCTATTATAACCAGGTGGAAAAGGGACGAGAGCGGGAATAAGAT  
CACACACCCTGTCTCTGGGAAATGCATCTTGCAGTTCTGTCGCATCAAGAGGAAAGACTGTGGAGAGTGG  
GCAATCCCGGGGGGATGGTGGACCCCGGAGAGAAGATCAGTGCCACCCTGAAAAGGGAGTTTGGTGAAG  
AGGCCCTGAACTCGTTACAGAAGTCCAGTGCCGAGAAGAGAGATCGAGGAGAACTGCACGCGCTCTT  
CAGCCAAGAGCATCTCGTGATATATAAGGGTATGTTGACGACCCCGGAACACTGACAAATGCGTGGATG  
GAGACGGAAGCCGTGAACCTACCATGATGAAACAGGGGAGACCATGGACAACCTCACCTGGAGGCCGGAG  
ATGACGCGGGGAAGGTGAAGTGGTGGACATCAGCGACCACTCAAGTTGTACGCCAGTCACTCTCAGTT  
CATCAAACCTCGTGGCAGAAAACGAGATGCCCACTGGAGCGAGGACCGCGCCGCTGACAGCCGTGGGCTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205315 representing BC033921  
Red=Cloning site Green=Tags(s)

MAGRSLGQAVATVSL SVALASVTVRSSACRAVPAPRNTFPTCGFHLNANIMSGSNGAKENSHNKARTSPY  
 PGSKVERSQVPNEKVGWLVWQDYNPVEYTA VSVLAGPQWADPQISESNFSPKFNEKDGHWERKSQNGLY  
 EIENGRPRNPAGRTGLVGRGLLRWGPNAADPIITRWKRDESGNKITHPVSGKILQFVAIKRKDCGEW  
 AIPGGMVDPEKISATLKRFGEEALNSLQKSSAEKREIEEKLHALFSQEHLVIYKGYVDDPRNTDNAME  
 ETEAVNYHDETGETMDNLTLEAGDDAGVKWVDISDQLKLYASHSQFIKLVAEKRDAHWEEDRAADSRGL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC033921

**ORF Size:** 1052 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:** [BC033921](#), [AAH33921](#)

**RefSeq Size:** 1335 bp

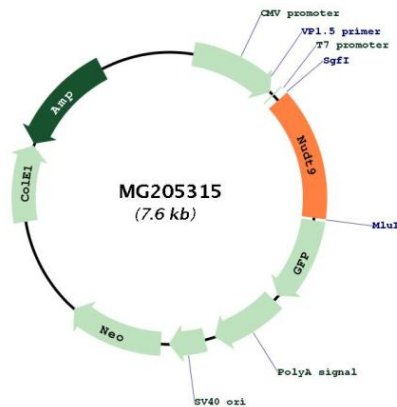
**RefSeq ORF:** 1052 bp

**Locus ID:** 74167

**Cytogenetics:** 5 E5

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

**Product images:**



Circular map for MG205315