

Product datasheet for MR205315

Nudt9 (NM_028794) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nudt9 (NM_028794) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nudt9
Synonyms:	1190002C07Rik; ADPR-PPase; AI462474
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205315 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGCCGCTCCCTGGGGCAGGCGGTAGCCACCGTGTGCTCTCGGTGGCCCTCGCGTCAGTGACTG
TCCGGTCTCAGCCTGCCGCGCCGTCGCCGACCCAGAAACACATTTCCAACCTGTGGTTCCACCTTAA
CGCCAACATCATGTCTGGTTCTAATGGTGCCAAAGAGAATTCACACAACAAGGCCCGACTTCTCCTTAC
CCAGGTTCAAAGTCGAGCGAAGTCAGGTTCCGAATGAGAAGGTGGGCTGGCTCGTTGAGTGGCAGGACT
ACAACCCAGTGGAGTACACCGCGTCTCTGTCTGGCTGGACCCAGTGGGCGGACCCTCAGATCAGTGA
AAGCAACTTCTCCCAAGTTTAAATGAAAAGGACGGGCATGTTGAGAGAAAGAGCCAGAATGGCCTGTAT
GAGATTGAAAACGGAAGACCCAGAAACCTGCAGGGAGGACAGGACTGGTTGGCCGGGCTTCTGGGGA
GATGGGGCCAAATCATGCTGCAGATCCTATTATAACCGGTGAAAAGGGACGAGAGCGGGAATAAGAT
CACACACCCTGTCTCTGGGAAATGCATCTTGCAGTTCTGTCGCCATCAAGAGGAAAGACTGTGGAGAGTGG
GCAATCCCGGGGGGATGGTGGACCCCGGAGAGAAGATCAGTGCCACCCTGAAAAGGGAGTTTGGTGAAG
AGGCCCTGAACTCGTTACAGAAGTCCAGTGCCGAGAAGAGAGATCGAGGAGAACTGCACGCGCTCTT
CAGCCAAGAGCATCTCGTGATATATAAGGGTATGTTGACGACCCCGGAACACTGACAATGCGTGGATG
GAGACGGAAGCCGTGAACCTACCATGATGAAACAGGGGAGACCATTGGACAACCTCACCTGGAGCCGGAG
ATGACCGGGGAAGGTGAAGTGGTGGACATCAGCGACCAAGTCAAGTTGTACGCCAGTCACTCTCAGTT
CATCAAACCTCGTGGCAGAAAACGAGATGCCCACTGGAGCGAGGACCGCGCCGCTGACAGCCGTGGGCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205315 protein sequence
 Red=Cloning site Green=Tags(s)

MAGRSLGQAVATVSL SVALASVTVRSSACRAVPAPRNTFPTCGFHLNANIMSGSNGAKENSHNKARTSPY
 PGSKVERSQVPNEKVGWLVWQDYNPVEYTA VSVLAGPQWADPQISESNFSPKFNEKDGHVERKSQNGLY
 EIEENGRPRNPAGRTGLVGRGLLGRWGNHAADPIITRWKRDESGNKITHPVSGKCILQFVAIKRKDCGEW
 AIPGGMVDPGEKISATLKRFGEEALNSLQKSSAEKREIEEKLHALFSQEHLVIYKGYVDDPRNTDNAME
 ETEAVNYHDETGETMDNLTLEAGDDAGVKWVDISDQLKLYASHSQFIKLVAEKRDAHWEEDRAADSRGL

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_028794

ORF Size: 1053 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_028794.2](#), [NM_028794.3](#), [NM_028794.4](#), [NP_083070.2](#)

RefSeq Size: 1334 bp

RefSeq ORF: 1053 bp

Locus ID: 74167

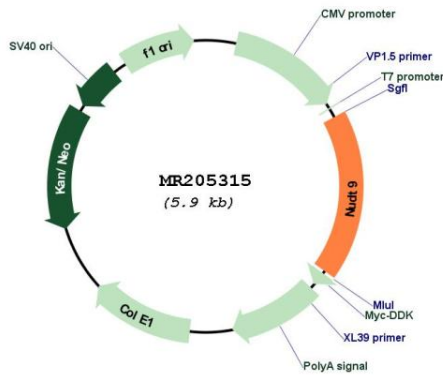
UniProt ID: [Q8BVU5](#)

Cytogenetics: 5 E5

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 MR205315