

Product datasheet for **MC216322**

Nudt12 (NM_026497) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nudt12 (NM_026497) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nudt12
Synonyms:	0610016O18Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216322 representing NM_026497
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCTTCTGTTAAAAGAAATCCAAAAAGGAGATGATTTCTGAACTCCACAGTTCAGCCGAGAGGGAA
 ATGTCGCAAAGTTAGCAGGAATACTCAGCCATTCTCCATCTTTCTCAATGAGACTTCTGAAAATGGATG
 GACTGCTTTAATGTACGCCGCCAGGAACGGGCATCCCGATGTGGTCCAGTTTCTGCTTGAGAAAGGATG
 GACAGATCACTTGTCAATAAAGCGAGGCAAACGCCCTGGATATTGCTGCATTTTGGGGTTATAGGCATA
 TAGCTAACTTGTAGCAAATGCAAAGGTGGGAAGAAGCCCTGGTTCCTAACCAATGAAGTAGACGAGTG
 TGAGAATTATTTAGCAGAACACTACTGGACCGGAGGAGTGACAAAAGAAATAATTCTGACTGGCTGCAA
 GCTAAAGAGAGCCACCCACCACAGTTTATCTCCTTTTCTCAGACTTGAACCCCTGGTTACCCTAGGTG
 GTAATAAAGAAAGCTCGCAGCAGCCGGAAGTCCGGCTTGGCCAGTGAACACCCGGATGTAAGGGTTA
 CTTGGCTCAGCCTGAGAAGATCACCTTGGTGTTCCTTGGAGTTCGAGCTTGAGATGAGGAAAGGCTCACCC
 GCCCAGCGGGGAGGAGTCCCAGAGGAAGAGGAGGACGGTTTGGTTGCTTGGTTTGCCTCGGTATTGAAC
 CCGGTGCTGCTGAGGAGTTAAGCAAAGACATGAAAATTGTTATTTTCTCCACCCGCCAATGCCAGCTCT
 TCTGCAGTTGAAAGAAAAGGAGGCTGGGGTGGTAGCTCAAGCAAGATCAGTGTTCCTGGCATAGTCGA
 TACAAGTTCTGCCAACCTGTGGCAGTGCAGCTAAAATTGAGGAAGGAGGCTACAAAAGAGTGTGTGTAC
 GAGAGACTTGCCCTAGTCTCCAAGGCGTCCACAACACATCTTACCCGAGAGTTGATCCAGTCGTAATTAT
 GCAGGTCATCCATCCAGATGGAACCAAATGTCTTCTAGGCAGGCAAAGCGATTCCCCCGGGCATGTTC
 ACATGTCTTGTGGATTTATAGAGCCCGGGGAGACAATAGAAGATGCTGTGCGGAGAGAGGTGGAAGAGG
 AAAGTGGAGTCAAAGTTGGCCATGTTTCAGTATGTCTTGTCAACCATGGCCAATGCCCTCCTCGTTAAT
 GATTGGCTGTTTAGCTGTGGCAGTGTCTACAGAAATTAAGTTGACAAGAATGAAATAGAGGATGCCCGA
 TGGTTCACTAGAGAACAGGTTGTGGACGTTCTTACCAAAGGGAAGCAGCAAGCATTCTTTGTGCCACCAA
 GCCGAGCTATCGCACATCAGTTAATCAAACACTGGGTGGGAATGAACCCCAATCT**CTAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_026497

Insert Size: 1389 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_026497.2](#), [NP_080773.1](#)

RefSeq Size: 2280 bp

RefSeq ORF: 1389 bp

Locus ID: 67993

UniProt ID: [Q9DCN1](#)

Cytogenetics: 17 D

Gene Summary: Hydrolyzes NAD(P)H to NMNH and AMP (2',5'-ADP), and diadenosine diphosphate to AMP. Has also activity towards NAD(P)(+), ADP-ribose and diadenosine triphosphate. May act to regulate the concentration of peroxisomal nicotinamide nucleotide cofactors required for oxidative metabolism in this organelle (By similarity).[UniProtKB/Swiss-Prot Function]