

Product datasheet for **MC203857**

Nudt3 (NM_019837) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nudt3 (NM_019837) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nudt3
Synonyms:	1110011B09Rik; AA960325; Dipp; Dipp1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC016534
 AGCGCGTCCAAAATGGCGGCGCGGTGTCGTGCGGGGGCGGCGCGGTAGAGGGGGCGGTGGCGGTGGCGA
 CGGCGGCGGTGACGGCGGCGCAGGGCCTGGGCCGGGGCAATGAGGCTGTCCCTTCCTGGACTCCGAGG
 CCCCACACGGCACCCCCACCGGGCCCGGAGGATGATGAAGCTCAAGTCGAACACAGACCCGACCTACG
 ACGGCGACGGCTACAAGAAGCGGGCCGCGTGCCTGTGCTTCCGCAGCGAGAGCGAGGAGGAGGTGCTGCT
 CGTGAGCAGTAGCCGCCATCCAGACCGATGGATTGTCCCGGAGGAGGCATGGAGCCTGAGGAGGAGCCA
 AGTGTGGCAGCTGTCCGGGAAGTGTGTGAGGAGGCTGGAGTGAAAGGGACACTGGGAAGACTAGTTGGAA
 TTTTGTGAAACCAGGAGAGGAAGCACAGGACCTACGTGTATGTGCTCATCGTCACGGAGGTGCTGGAAGA
 CTGGGAGGACTCGGTGAACATCGGAAGGAAGAGAGAGTGGTTTAAATAGAAGACGCCATAAAGGTGCTG
 CAGTGTACAAGCCCGTCAGGCGTCATACTTTGAGACGTTGAGGCAAGGCTACCCTGCCAACAACGGCA
 CCCCTGTGGTGCCACCACCTACTCCAGTCCGTGTGAGGCATCAGATGACTGCAGACTTCTGTAAGAGC
 CGGAGAGTGGAAGCAGACTGAAGCATGGCTCTCCTACCACCCCTCACCTACGGCCTTCTGTGACCC
 CAGGCATGGCGGGCAGTGGAGAGGGGACACTGAGGTGCTGCTGTGGGCTGTGGCGGGAGGCGGTGGGTG
 TGGCAGGGTGGGAACCTTTTTTCTCTTCTGAGGGTGGGGCTGGGTGTAACACAAAGCACTTTTCCTG
 CATGCCGATCCTCCCCGCTCGCTCACCTGCCCTGAGAGGGCACCTCCCTCTCCTTCTTGGGTTCCGAA
 GCACTCCCATTTTGTCTCGTCCCGCCTGGCCAGATATTTCTCTGAACCTTTTTTTTTTTTTTTCATTAA
 AGACACCCATGTGCGATGAACTTTCTAAAAATCTGTCTGTGCTGTGCTGTTGAGTCCCTAGGTTGAC
 CACGCTCCCTTGGGACGCACCTGTCCACACATTGCACACTGTACGGGACACGTAATAAGCGGCGTAGA
 ACGAGGAGCTCAACTGTTCAAGTTCTCAAAGTTTTGGGTTTTTTTTTCTTTTTTTTTTCTCAGATATT
 CTGGTTTGAAGCCCTCACTCTTCAATTTGTTAATGCTAGTAACCTTTCGGGGCTTCCCTGTCTCTGT
 TCCCAGCCATGCCAGCCCGGCCACCTTGCTCTCACTCCTGGGACCCTGGCCTTCTGTCTCTAGGCTATT
 CCTGTGCCAAGGAAAACAGAAGGGAACCTGTTTTCTTTCTGTTACGAAGCCTGGAACAGTGAAGAAA
 CTGAATTCTGTCCGATAGGCTCACAGTAGGCTTTAAACTGTACCCCTCAATGTGCGAGAAACCGGCACT
 GTGTCTGCTGCTGGCTGGAGATTCTTTCTGTAATGCTATTTATTGCTGACATAGCCTCTCTTACCCTT
 ATATGCCTTCCACCATGTGACCTGGCTGTGGCCCAACGCTCTGCAGCCATTCTGCATAGTCTGTCCCC
 ACGCCGAGAGGCCCCACGACGTCTGAGAATACATGGGGAGCAGTGTGAGCATGTATGTGCAAGGGGGG
 ACCAAGAGCTTGCTCAAAAGGGACATTAGCTTTCTGTCTGCTCGGTGTGAGAGGTCTGGAAGAGGGG
 CCCACCGGTGACCCTCTGGCTCCGGTTGGTATTTATAGAGGTTTTGTGCCGAACCTCCAGCCAGTTGT
 GGTGGTTAGTCGGGAAGTAAAGGGTCTGGGAGGGGCTTGAGTAAGGAGGGCAAGAGGGGAGCTAGGCC
 TGGCTTAGCGTGGGTGCTTGGGACTCTTTGTGGCATTGCCTATGTTGAAACGTAGCCAAGATGTGAATTG
 AAAATAGTACTTCTTTATTTAAAACTAATAAATACTCAAACCTTTGAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_019837

Insert Size: 507 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC016534](#), [AAH16534](#)

RefSeq Size: 2092 bp

RefSeq ORF: 507 bp

Locus ID: 56409

UniProt ID: [Q9JL46](#)

Cytogenetics: 17 A3.3

Gene Summary: Cleaves a beta-phosphate from the diphosphate groups in PP-InsP5 (diphosphoinositol pentakisphosphate) and [PP]2-InsP4 (bisdiphosphoinositol tetrakisphosphate), suggesting that it may play a role in signal transduction. InsP6 (inositol hexakisphosphate) is not a substrate. Also able to catalyze the hydrolysis of dinucleoside oligophosphates, with Ap6A and Ap5A being the preferred substrates. The major reaction products are ADP and p4a from Ap6A and ADP and ATP from Ap5A. Also able to hydrolyze 5-phosphoribose 1-diphosphate (By similarity). Acts as a negative regulator of the ERK1/2 pathway.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer protein (isoform 1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.