

Product datasheet for MC217977

Nudt18 (BC036718) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nudt18 (BC036718) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nudt18
Synonyms: MGC38179
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC036718
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAACCAGGAGAAACCATCGTGGAGGCCATGCAGCGGGAGGTGAAGGAGGAGGCGGGGCTGCTCTGTG
AGCCAGTGACACTGCTGTCCGTGGAGGAGAGGGCGCCTCCTGGATCCGCTTTGTGTTCCCTCGCTCGACC
AACAGGGCGGAGTTCTCAAGACTTCAAAGATGCTGATTCTGAGTCCCTCCAGGCCGGCTGGTACCCACGG
GTCTCCCTGCCACACCGCTTAGAGCCCATGATGTTCTGCACCTGGTAGAGCTAGGCGCCAAATCTGCC
AACAAGCCATGCACCCTCTCATTCTGCCTCAAGAGCTCCCTGCAGTGTGGTCTGCCAACGGCTGGTGAC
CACCTTCAACAGTCCAGTCCGGTGTGGGTGTTGGTGGGCACGGTGGGGACACCTCACTTGCCCATCACT
GCCTGTGGCTTTACCCCTATGGAACAAAGGGCGGCATCAAGGTGGCCATCTTGAGGCTCCTACAGGAGT
GTCTGACTCTGCACAGTTTGGCAGTGGAGACCAAGGGGTTGCTTGGGTTGCAACACCTAGGCAGAGACCA
TGTGGATGGTGTCTGCCTGAATGTGCTGGTGACCGTGGCTTTTCGGAACCCAGGAATCCAAGACGAGCCC
CCAAAGATTCGGGGTAAAACTACTTTTGGTGAAGGATTAGAGGAAGATTTACAAAACTGCTTCTGT
ACAGACTCCAGGAATCTTCTGTGATCCCCCTGAGCAGATAG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC036718
Insert Size: 741 bp



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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:	<ol style="list-style-type: none">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:	BC036718 , AAH36718
RefSeq Size:	1630 bp
RefSeq ORF:	740 bp
Locus ID:	213484
Cytogenetics:	14 D2
Gene Summary:	Mediates the hydrolysis of oxidized nucleoside diphosphate derivatives. Hydrolyzes 8-oxo-7,8-dihydroguanine (8-oxo-Gua)-containing deoxyribo- and ribonucleoside diphosphates to the monophosphates. Hydrolyzes 8-oxo-dGDP and 8-oxo-GDP with the same efficiencies. Hydrolyzes also 8-OH-dADP and 2-OH-dADP. Exhibited no or minimal hydrolysis activity against 8-oxo-dGTP, 8-oxo-GTP, dGTP, GTP, dGDP and GDP. Probably removes oxidized guanine nucleotides from both the DNA and RNA precursor pools (By similarity). [UniProtKB/Swiss-Prot Function]