

## Product datasheet for MR228516

### Nudt7 (NM\_001290180) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nudt7 (NM\_001290180) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Nudt7  
**Synonyms:** 1300007B24Rik; 2210404C19Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR228516 representing NM\_001290180  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGCGCGTCAGAACTATTTGCTCCCGAAGTCTCCTGCTGCTAGTAAGAGGAAGTACTGCAGGGCTGATG  
 TCGCGACCTTGTGGACTCCCGGAGCCTGTCAGCTGAAAAGGGAACCTGGAGAAGTCTGCTCCCTGGAGG  
 AAAGAGGGACCCGGTGGACACAGATGACACAGCCACTGCTCTCCGTGAAGCCAGGAGGAGTGGGGCTG  
 CATCCCCACCAAGTGGAGGTGGTCTCTCACCTGGTGCCATACGATTTTGATAATGATGACTGGTAACCC  
 CCGTAGTGGGTTTTCTAGACCACAACTCCAGGCCAACCTAATGCTGATGAAGTGAAGGAAGTCTTCTT  
 TGTGCCTTTGGACTATTTCTCCATCCCAAGTCTACTACCAGAAGCAAATCACACAGTCTGGCCGTGAT  
 TTCATCATGCATTGCTTCGAGTACAAAGACCCTGAGACTGGTGTGAACCTACCTAATCCAGGGGATGACCT  
 CAAAATGGCTGTGTTGGTGGCCTTAATTTTTGGAACAAAGTCTGCCTTCAAGATTGATTTTGATCT  
 CCATGACCTGATACCGTCTTGTGAAAGGACCTTCCTTTGGAGATATTCTTTAAGCAAGTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228516 representing NM\_001290180  
 Red=Cloning site Green=Tags(s)

MRVRTICFPKSPAASKRKYCRADVATLWTPGACQLKREPGEVCFPGGKRDPVDTDDTATALREAQEEVGL  
 HPHQVEVYSHLVPYVFDNDALVTPVVGFLDHNFAQQPNADDEVKEVFFVPLDYFLHPQVYQKQITQSGRD  
 FIMHCFEYKDPETGVNYLIQGMTSKLAVLVALIILEQSPAFKIDFDLHDLIPSCERTFLWRYLSKL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**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\\_001290180.1](#), [NP\\_001277109.1](#)

**RefSeq Size:** 945 bp

**RefSeq ORF:** 624 bp

**Locus ID:** 67528

**UniProt ID:** [Q99P30](#)

**Cytogenetics:** 8 E1

**MW:** 24 kDa

**Gene Summary:** Coenzyme A diphosphatase which mediates the cleavage of CoA, CoA esters and oxidized CoA with similar efficiencies, yielding 3',5'-ADP and the corresponding 4'-phosphopantetheine derivative as products. CoA into 3',5'-ADP and 4'-phosphopantetheine. Has no activity toward NDP-sugars, CDP-alcohols, (deoxy)nucleoside 5'-triphosphates, nucleoside 5'-di or monophosphates, diadenosine polyphosphates, NAD, NADH, NADP, NADPH or thymidine-5'-monophospho-p-nitrophenyl ester. May be required to eliminate oxidized CoA from peroxisomes, or regulate CoA and acyl-CoA levels in this organelle in response to metabolic demand. Does not play a role in U8 snoRNA decapping activity. Binds U8 snoRNA. [UniProtKB/Swiss-Prot Function]