

## Product datasheet for **MG216893**

### Nudt17 (NM\_001162925) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Nudt17
Synonyms:	2410015C20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG216893 representing NM\_001162925  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCTGCCGACGGTTGCTGTTGCGCCTCGCCGGGCGCCTGGAGTCAGTGAGCTTCACACAGAGCGTGT  
GTGGACTCCTGGGTGCGGGGCAGAGACCCGGGCGTGGCACACGCATTGCAGCTTGGAGCGAGGACAGCT  
TGTCTCTCTAGCAATCCATTCCCCGGCGCTTCGGAGAGGCTTCCAATCCAGAGACCTCTTTTCTGCCCT  
TTTGGCGCTCTGGACCAGCAGCCTGAGGTCTCCAAGACAGAGCCGCTCACAAATAGAGGTGTGGATCTGG  
GTGTGGCGGTCACTTTCAGTCCAGTGACCAGACTGTACTGTTGACCCGAAGGACATGCACTCTCCGCAT  
TCCCCCAATCTGTGGGTCCCTCCAGACTTCTCTGCCCACTGGAGAATGGGGTCCCTGGTGAAGACAA  
CAACCGTTCACATTGGGCCACTCCTCTTGACAGATACTGGAGTGTGGATTCGAGAGCTCTGGAAGAGT  
GTGGACTACAGCTGCCAAGAACCAGTTTTCTTGTGTCCTTCTGGGTTATGGGAGTCTGCCTACCTCC  
TAGGCTGAGCTGGGGCTTCCCCAAATACCATCACTCATTCTACGTACTCGTGATCTCCAGGAGTCC  
CAGGAGCAGCTCCAGGCCAGGATCCAAGTAAACCCAAATGAGGTGAATGCTTTTATGTGGCTGGGACCAG  
ATGTAGCGGCAGCTGTGGTTGCCACAGAGGATGGGACAAGGACACCCGGACTTTTCTCCAGGACCTACC  
ACTCTCTGTCTGTGCAACCGAACTGAAGGACGATGGAGGAACCCAACTCTGGTCTGCCATGCCACACA  
CTCATGCGGACAACCCCAACCAAGCAGCAGAGGAGGACAAAGAGAGGATCGGCGCTGGAACCAAGTTTGCC  
TCCAGCTCTGGTTGCAACATCTGGCAGA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >MG216893 representing NM\_001162925  
Red=Cloning site Green=Tags(s)

MAAARLLLRLAGRLESVSFTQSVCGLLGAGQRPGPWHTHCSLERGQLVLSNPFPGASERLPIQRPLFCP  
 FAALDQQPEVSKTEPLNTRGVDLGVAVILQSSDQTVLLTRRTCTLRISPNLWVPPDFLCPLENGVPGGRQ  
 QPFTLGPLLLQILECGFRELWEEGLQLPKNQFSCVLLGLWESAYPPRLSWGFPKYHHLILYVLVISQES  
 QEQLQARIQVNPNEVNAFMWLGPDVAAAVVATEDGTRTPGLFSQDLPLSVCATELKDDGGTQPLVLPMP  
 LMRTTPTTAEEDKERIGAGTKFALQLWLQHLGR

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**ACCN:** NM\_001162925

**ORF Size:** 939 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.

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

**RefSeq:** [NM\\_001162925.1](#), [NP\\_001156397.1](#)

**RefSeq Size:** 1336 bp

**RefSeq ORF:** 942 bp

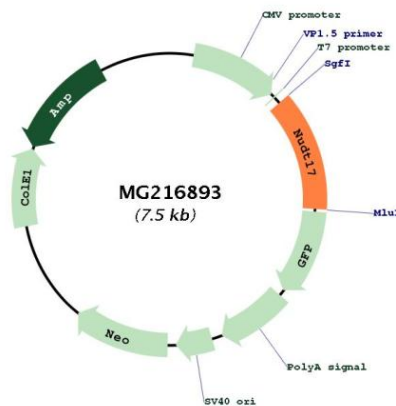
**Locus ID:** 78373

**UniProt ID:** [Q9CWD3](#)

**Cytogenetics:** 3 F2.1

**Gene Summary:** Probably mediates the hydrolysis of some nucleoside diphosphate derivatives.  
[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG216893