

Product datasheet for **MG204358**

Nudt22 (NM_026675) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nudt22 (NM_026675) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Nudt22
Synonyms: 0610006K04Rik; AI851793; AW545547
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204358 representing NM_026675
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACCCCGAGGTGTCCTGCTGCTGCTGTGCCCTCTTGGGGACTTTCCAGGAGCAGGTAGCAGTGG
 AGCTGAGCCCGGCTCATGACCGTCGTCATTGCCTGGAGGAGACAAGGCCATCACTGCCATCTGGGAGAC
 TCGGCAACAGGCCAACCTTGGATCTTTGATGCTCCCAAGTTCGCCTTCACTCAGCCACACTGGTGTCC
 AGCTCGCCTGAGCCACAGCTGCTCCTGCACTTGGGTCTAACTTCTACCGGGACTTCTGGGCACCAACT
 GGTCCAGCTCAGCTCCTGGCTGCGACAGCAGGGCGCTGCAGATTGGGGTACAAGCAAGCCTATCTGGC
 AGACCCACTGGGGTGGGTGCCGCACTGGTCACAGCTGACGACTTCTTGTCTTCTGCGCCGCTCTCAG
 CAGGTAGCGGAAGCTCCCGGACTGGTGGATGTACCCGGTGGGCACCCTGAACCTCAGGCCCTGTGCTCTG
 GTGGCATCCCCGGCACAAAGGACCTCCCGGGGAGCTGGTGGTACGAGAACTCTTCTCCAGTGTCTTACA
 GGAGATCTGTGATGAGGTGAACCTGCCACTGCACACCTTGGCCAGCCACTGTTGTTGGGAATCGCTTGC
 AATGAGACCAGCGGGCAGAGCCAGTGCAGAGTTCTATGTCCAGTGCAGCTTGACTTACAGAGGAGTCA
 GGAGTTATTACCTGAGTGGGGACCTGAGGCCACGAGTCTACAGGAATCATCTTGTGGAGACACAGAG
 GGTACAGAGACTGCAGGAGACGGAGATGTGGGCACAACCTGCCCTCGGCCAAAGGCCATCCCTCCTC
 TACAATCGCCATCCACCTCTACAGTCAGGTGTTGGGAAGTCCCACCTGAGTCACCCTAGCGCCCCAGCCC
 TATCACTGCAGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204358 representing NM_026675
Red=Cloning site Green=Tags(s)

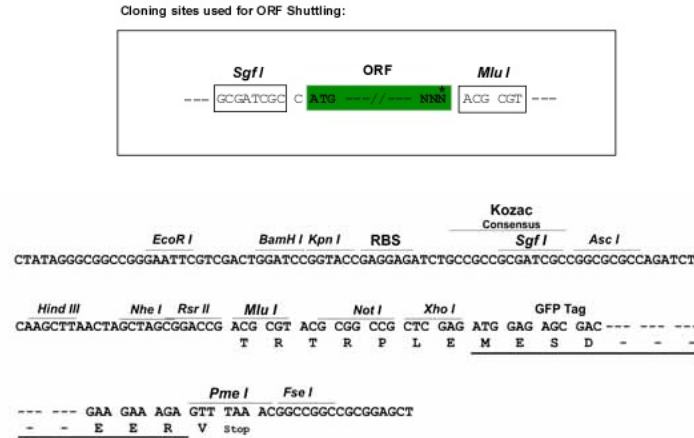
MDPEVSLLLLCPGLGSLQEQVAVELSPAHDRRPLPGGDKAITAIWETRQQAQPWIFDAPKFRHLSATLVS
 SSPEPQLLLHLGLTSYRDFLGTNWSSASWLRQQAADWGDQAYLADPLGVGAALVTADDFLVFLRRSQ
 QVAEAPGLVDVPGGHPEPQALCSGGIPRHKDLPGELVVRELFSSVLQEICDEVNLPHTLSQPLLLGIAC
 NETSAGRASAEFYVQCSLTSEEVRSYYLGGPEAHSTGIIFVETQRVQLQETEMWAQLCPSAKGAILL
 YNRHPPLQSGVGKSHLSHPSAPALSLQL

TRTRPLE - GFP Tag - V

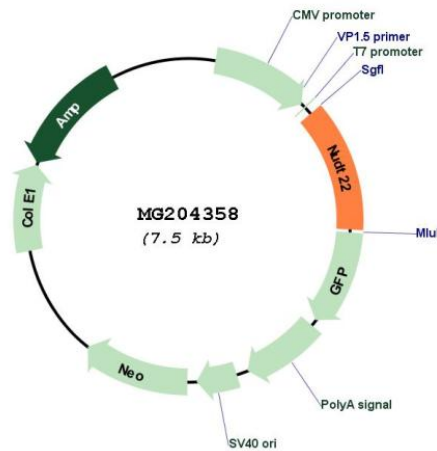
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_026675

ORF Size: 924 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:	<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:	NM_026675.1 , NP_080951.1
RefSeq Size:	1000 bp
RefSeq ORF:	927 bp
Locus ID:	68323
UniProt ID:	Q9DD16
Cytogenetics:	19 A
Gene Summary:	Hydrolyzes UDP-glucose to glucose 1-phosphate and UMP and UDP-galactose to galactose 1-phosphate and UMP. Preferred substrate is UDP-glucose.[UniProtKB/Swiss-Prot Function]