OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG203118

Mpdu1 (BC026776) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpdu1 (BC026776) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mpdu1
Synonyms:	SL15, LEC35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG203118 representing BC026776
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGGGGAGGCCGACGGGCCGTTCAAAGGGCTGCTGGTGCCAATTCTTTTACCTGAGAAATGTTACG
ACCAGCTCTTCGTGCAATGGGACTTGCTTCATGTTCCCTGCCTCAAGATTCTCCTCAGCAAAGGCCTCGG
GCTGGGCATCGTGGCTGGGTCACTTCTCGTCAAGCTGCCCCAGGTATTTAAACTCTTGGGAGCCAAGAGT
GCAGAAGGACTGAGTCTCCAGTCAGTAATGCTGGAGCTAGTGGCACTGACCGGAACCGTGGTCTACAGCA
TCACCAACAACTTCCCCTTCAGCTCTTGGGGTGAAGCGCTGTTCCTGACACTCCAGACCGTTGCCATCTG
CTTCCTGGTCATGCACTACAGAGGAGAGACCGTGAAAGGAGTCGCTTTCCTTGCCTGCTATGCCATGGTC
CTGCTGGCGCTGCTCTCCCCGCTCACGCCTCTGGCTGTAGTCACTCTGCTCCAGGCCTCCAATGTACCTG
CCGTGGTGGTGGGGAAGTTGCTTCAGGCAGCCACTAACTACCGCAACGGACACACAGGCCAGCTTTCAGC
CATTACAGTGTTTATGCTGTTTGGGGGCTCCTTGGCCCGAATCTTCACTTCTGTTCAGGAAACTGGAGAC
CCCCTCATGGCTGGAGTCTTTGTGGTCTCTTCTCTCTGCAATGGCCTCATTGCTGCCCAGGTCCTCTTCT
ACTGGAACGCAAAGGCTCCCCACAAACAGAAAAAGGAGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

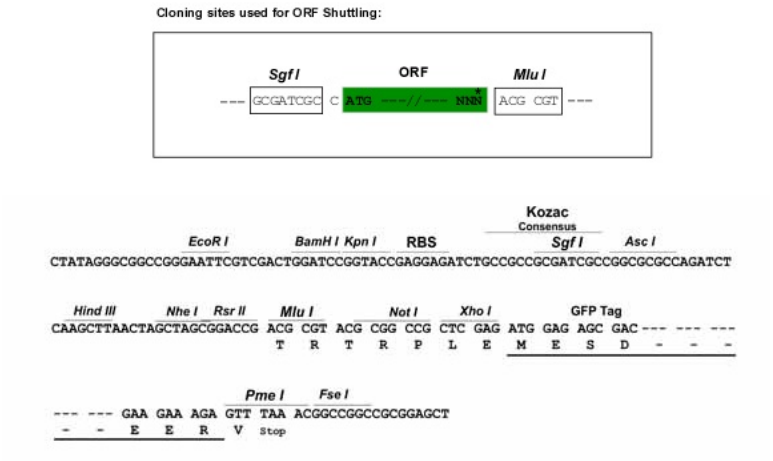
>MG203118 representing BC026776
Red=Cloning site Green=Tags(s)

MAGEADGPFKGLLVPILLPEKCYDQLFVQWDLLHVPCLKILLSKGLGLGIVAGSLLVKLPQVFKLLGAKS
AEGLSLQSVMLELVALTGTVVYSITNNFPFSSWGEALFLTLQTVAICFLVMHYRGETVKGVAFLACYAMV
LLALLSPLTPLAVVTLLQASNVPAVVVGKLLQAATNYRNGHTGQLSAITVFMLFGGSLARIFTSVQETGD
PLMAGVFVVSSLCNGLIAAQVLFYWNAKAPHKQKKEQ

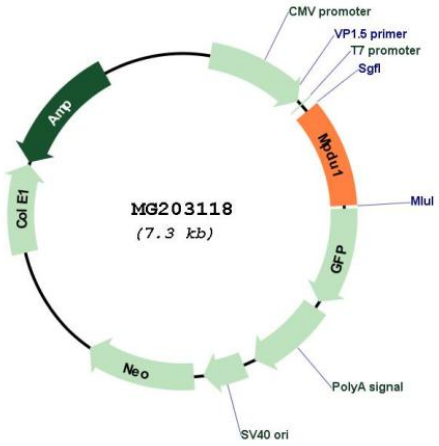
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC026776

ORF Size: 743 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.
RefSeq:	BC026776, AAH26776
RefSeq Size:	1259 bp
RefSeq ORF:	743 bp
Locus ID:	24070
Cytogenetics:	11 42.86 cM
Gene Summary:	This gene encodes a member of the PQ-loop superfamily. A similar gene in human encodes a protein that is required for monosaccharide-P-dolichol-dependent glycosyltransferase reactions, and disruption of this gene is the cause of congenital disorder of glycosylation (CDG) type 1F, a disease linked to defects in protein N-glycosylation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]