

Product datasheet for **MG216179**

Impmp1l (NM_028260) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Impmp1l (NM_028260) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Impmp1l
Synonyms: 1500034J20Rik; 2610528O17Rik; AU042386
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216179 representing NM_028260
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTTCGTGGTGTCTGGGAAAGGCTTTTCGACTTGCTGGCTATACCATTCAGTATGGCTGCATAGCTC
 ATTGTGCTTTGAATACGTTGGTGGTGTGTAATGTGTTCTGGACCATCAATGGAACCCACAATC
 TTCAGATATTGTCTTTCAGAAAATCTTAGCCGACATTTTATGGCATCCAAAGAGGTGACATTGTAATT
 GCAAAAAGCCCAAGTGATCCAAAATCAAATATCTGTAAGAGTAATTGGTTTGAAGGAGACAAAATCC
 TCAGCACTAGTCCATCTGATGTATTAAGAGCCGAGTACGTGCCAACAGGTCATGTTTGGTTAGAAGG
 TGATAACTTACAGAATTCTACCGATTCCAGGTATTATGGACCTATACCATATGGACTAATAAGAGGACGT
 ATCTTCTTTAAGATTTGGCTTTTCAGTACTTCGGATTTCTGCGTGACAGCCCAAATGGCCAGAGATTTT
 CTGATGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216179 representing NM_028260
 Red=Cloning site Green=Tags(s)

MLRGLVKGAFRLAGYTIQYGCIAHCAFYVGGVVMCSGSPMEPTIQNSDIVFAENLSRHFYGIQRGDIVI
 AKSPSPDKSNICKRVIGLEGDKILSTSPSDVFKSRSYVPTGHVWLEGDNLQNSTDSRYYPPIPYGLIRGR
 IFFKIWPFSDFGFLRDSPNGQRFSD

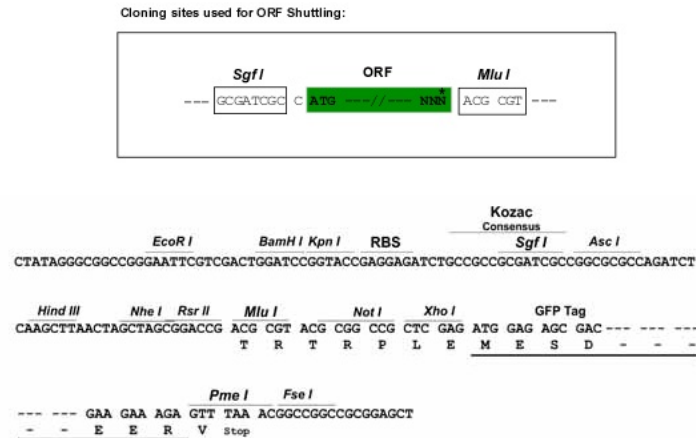
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

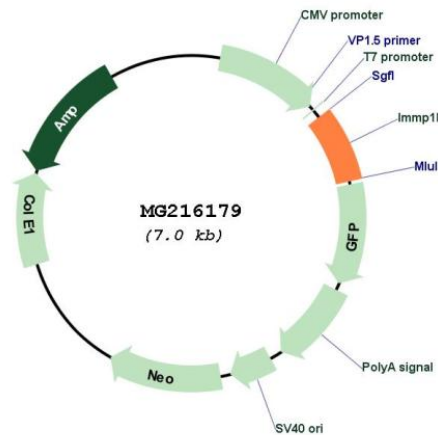


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Cloning Scheme:



Plasmid Map:



ACCN: NM_028260

ORF Size: 498 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:	<u>NM_028260.2</u> , <u>NP_082536.1</u>
RefSeq Size:	955 bp
RefSeq ORF:	501 bp
Locus ID:	66541
UniProt ID:	<u>Q9CQU8</u>
Cytogenetics:	2 E3
Gene Summary:	Catalyzes the removal of transit peptides required for the targeting of proteins from the mitochondrial matrix, across the inner membrane, into the inter-membrane space. Known to process the nuclear encoded protein DIABLO (By similarity).[UniProtKB/Swiss-Prot Function]