

Product datasheet for MR201526

Impmp2l (NM_053122) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Impmp2l (NM_053122) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Impmp2l
Synonyms: AI853880; IMP2; Tg(HLA-A/H2-D)2Enge
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201526 representing NM_053122
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCACAGTCACAAAGCTGGGCGAGAAGATGCTCAAGGCCTTTTGCAAAGGCTTCTTCGTGGCGGTGC
 CCGTGGCAGTCACTTTCTTGGATCGCGTGGCTGCGTGGCTCGGGTGAAGGCTCGTCAATGCAGCCTTC
 TTTGAATCCTGGAGGAAGCCAGTCTCAGATGTGGTACTTTGAACCACTGGAAAGTGAGAAATTTGAA
 GTACAGCGTGGTACATTGTGTCATTGGTGTCTCCTAAAAACCCAGAACAGAAAAATCATTAAAGAGAGTGA
 TCGCTCTTGAAGGAGATATTGTAAGAACAATTGGACACAAAAACCGGTTGGTCAAAGTCCCCCGGTCA
 CATGTGGGTTGAAGGCGATCATCATGGACACAGTTTTGATAGTAATTCCTTTGGACCGGTTCTCTGGGA
 CTCTGATGCCATGCCACACATATTTTGTGGCTCCAGAGCGCTGGCAGAGACTGGAATCTGTTCTTC
 CTCCAGAGCGCTGTCCACTCCAGACTGGTGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201526 representing NM_053122
 Red=Cloning site Green=Tags(s)
 MAQSQSWARRCFKAFCKGFFVAVPVAVTFLDRVACVARVEGSSMQPSLNPGGSSQSDVLLNHWKVRNFE
 VQRGDIVSLVSPKNPEQKIIKRVI ALEGDIVRTIGHKNRLVKVPRGHMVEGDHGHGFSFNSFGPVS LG
 LLHAHATHILWPPERWQRLESVLPPEPCPLQTGEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

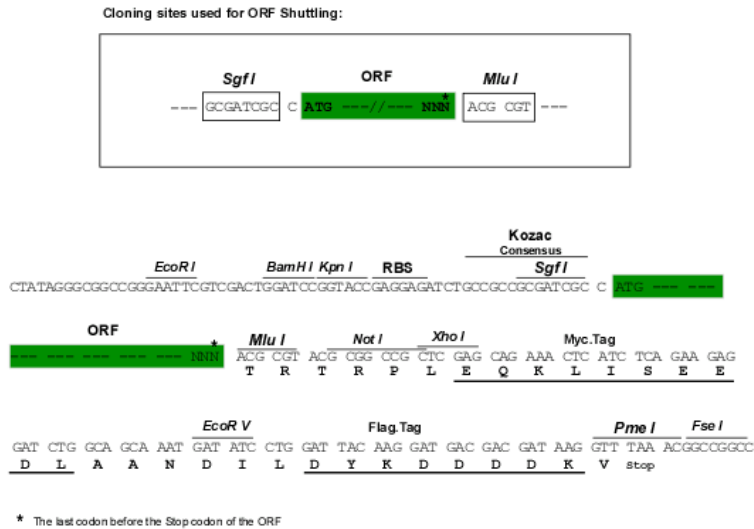
Chromatograms: https://cdn.origene.com/chromatograms/mm9053_b09.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053122

ORF Size: 525 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: [NM_053122.3](#), [NP_444352.2](#)

RefSeq Size: 1145 bp

RefSeq ORF: 528 bp

Locus ID: 93757

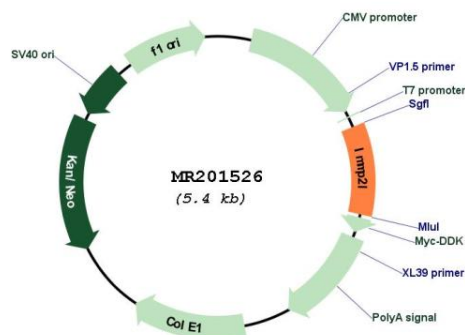
UniProt ID: [Q8BPT6](#)

Cytogenetics: 12 B1

MW: 20.1 kDa

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]

Product images:



Circular map for MR201526