

Product datasheet for RG215438

IMMP2L (NM_032549) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: IMMP2L (NM_032549) Human Tagged ORF Clone

Tag: TurboGFP Symbol: IMMP2L

Synonyms: IMMP2L-IT1; IMP2; IMP2-LIKE

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG215438 representing NM_032549

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCACAGTCACAAGGGTGGGTGAAAAGATACATCAAGGCCTTTTGTAAAGGCTTCTTTGTGGCGGTGCCTGTGGCAGTGACTTCTTTGAATCGGGTGGCAGCCTTCTTTGAACCACTGGAAAGTGAGCACCCTTCTTTGAATCCTGGGGGGGAGCCAGTCATCTGATGTGGTGCTTTTTGAACCACTGGAAAGTGAGGAATTTTGAAGTACACCGTGGTGACATTGTATCATTGGTGTCTCCTAAAAACCCAGAACAGAAGATCATTAAGAGAGTGATTGCTCTTGAAGGAGATATTGTCAGAACCATAGGACACAAAAACCGGTATGTCAAAGTCCCCCGTGGTCACATCTGGGTTGAAGGTGATCATCATGGACACAGTTTTGACAGTAATTCTTTTTGGGCCGGTTTCCCTAGGACTTCTTCTTCTTCTCTTGCATGCCCATGCCACACATATCCTTGTGGCCCCCAGAGCGCTGGCAGAAATTGGAATCTGTTCTTC

CTCCAGAGCGCTTACCAGTACAGAGAGAGAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215438 representing NM_032549

Red=Cloning site Green=Tags(s)

MAQSQGWVKRYIKAFCKGFFVAVPVAVTFLDRVACVARVEGASMQPSLNPGGSQSSDVVLLNHWKVRNFE VHRGDIVSLVSPKNPEQKIIKRVIALEGDIVRTIGHKNRYVKVPRGHIWVEGDHHGHSFDSNSFGPVSLG

LLHAHATHILWPPERWQKLESVLPPERLPVQREEE

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja3671 e08.zip



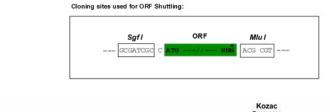
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

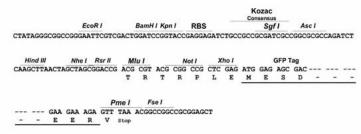
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com ORÏGENE

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





ACCN: NM_032549

ORF Size: 525 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts

of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at customercom or by

calling 301.340.3188 option 3 for pricing and delivery.

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: <u>NM 032549.4</u>

 RefSeq Size:
 1540 bp

 RefSeq ORF:
 528 bp

 Locus ID:
 83943

 UniProt ID:
 Q96T52

 Cytogenetics:
 7q31.1

Domains: Peptidase_S26

Protein Families: Druggable Genome, Protease

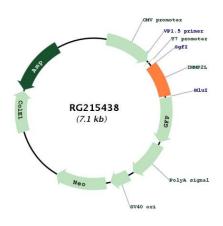
Gene Summary: This gene encodes a protein involved in processing the signal peptide sequences used to

direct mitochondrial proteins to the mitochondria. The encoded protein resides in the mitochondria and is one of the necessary proteins for the catalytic activity of the

mitochondrial inner membrane peptidase (IMP) complex. Two variants that encode the same

protein have been described for this gene. [provided by RefSeq, Sep 2011]

Product images:



Circular map for RG215438