

## Product datasheet for **MR231037**

### Immt (NM\_001253686) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Immt (NM_001253686) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Immt
Synonyms:	1700082C19Rik; D830041H16Rik; HMP; P87; P87/89; P89
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide  
Sequence:**

>MR231037 representing NM\_001253686  
 Red=Cloning site Blue=ORF Green=Tags(s)

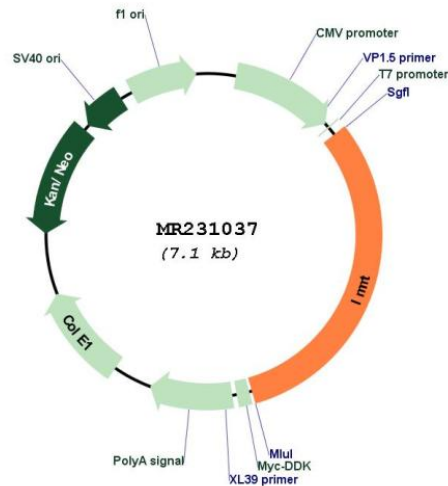
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTCGGGCCTGTCACTTATCCGGCGTGACCGTCGCGGCCAGAGTTGTCTGTGTGGGAAGTTCGTCC  
 TCCGTCCACTACGACCATGCCGTAGATACTCCACTTCAAGCAGTTCTGGGTTGACTGCTGGTAAGATTGC  
 TGGAGCTGGCCTTTTGTTCGTTGGTGGAGGATTGGTGGCACTATCCTGTATGCCAAATGGGATCCCAT  
 TTCCGGGAAAGTGTAGAGAAAACCATCCCTTACTCAGACAACTCTTTGGGATGGTTCTTGGTTCTGCGC  
 CTTATACTGTTCCATTACCAAAGAAACCGGTTCACTGCTGGTCCACTAAAAATCTCCAGTGTATCAGAGGT  
 GATGAAAGACTCCAACTGCCTGTGGCACAGAGCCAGAAAACGAAGGGAGACACTCCAGCTTCAGCAGCA  
 GGTGATACACTTTCGGTCCCGGCCCTGCAGTTCAGCATGAGGACACTATAAAAACCGAATGTCCCAACA  
 CTAATGAAGGAAAATCTACGTCTGAAACCACAGAGGAAGCATTCTCATCTTCTGTAAGGGAGCGACCACC  
 CGAAGAAGTTGCAGCTCGTCTAGCGCAACAGGAAAAGCAAGAACAAGTTGAGATGGAGTCTCTAGCCAAG  
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 GAAGTCGGCCAGTGGCGAACAGTGGAGGGTGCATTGAAGGAGCGAAGAAAGGCAGTTGATGAAGCTGCC  
 GATGCCCTGCTCAAAGCAAAAAGAAGAGTTAGAGAAGATGAAAACATAAATTGAAGATGCAAAGAAAAGAG  
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 GGTACTGGCAAACTCTCTACTGATGACCTGAACTCACTATTGCTCATGCCATCGTCGCATTGATCA  
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 GAGTCATGCAGTTGCTGAAGAAGAAGCCAGAAAAGCCACCAGCTCTGGCTTTCAGTGGAGGCATTAAG  
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 TCAACTGTTCTGATAATGAATTTACCCAGGCTTTAACTGCAGCCATTCTCCAGAGTCCCTGACCCGGGG  
 GGTATACAGTGAAGAGACCCTAAGAGCCGTTTCTATGCTGTTCAAAAAC TAGCCCGAAGGGTAGCGATG  
 ATTGACGAAACCAGAAATAGCCTGTACCAATACTTCTTTCTACTTACAGTCCCTACTCTGTTCCCGC  
 CTAAGCAACTGAAGCCCCGGCGGAGCTCTACCCTGAAGATATAAATACATTTAAATTGCTCTCATATGC  
 CTCCTATTGATTGAGCATGGTGACCTGGAGCTGGCAGCAAAGTTTGTCAATCAGCTCAAAGGGGAGTCC  
 AGAAGAGTGGCACAGGACTGGCTGAAGGAGGCCGAATGACCCTAGAAACTAAGCAGATAGTGGAGATCC  
 TGACTGCATACGCCAGCGCCGTAGGAATAGGAACCACTCAAGTGCAGCAAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



## Plasmid Map:



ACCN: NM\_001253686

ORF Size: 2223 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\\_001253686.1](#), [NP\\_001240615.1](#)

RefSeq Size: 2729 bp

RefSeq ORF: 2226 bp

Locus ID: 76614

**Cytogenetics:** 6 C1

**MW:** 82.9 kDa

**Gene Summary:** Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane. Plays an important role in the maintenance of the MICOS complex stability and the mitochondrial cristae morphology. [UniProtKB/Swiss-Prot Function]