

## Product datasheet for **RR206242**

### Immt (NM\_001034928) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Immt (NM_001034928) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Immt
Synonyms:	MGC125092
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR206242 representing NM\_001034928  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGCGGGCCTGTCAGTTATCCGGCGTGACCGTCGCGGCCAGAGTTGCTGTGTGGGAAGTTTGTC  
 TCCGCCACTACGACCATGCCGTAGATACTCCACTTCAAGCAGTTCTGGGGTACTGCTGGTAAAATTGC  
 TGGAGCTGGCCTTTTGTGGTGGAGGGATTGGTGGCACTATCCTGTATGCCAAATGGGATCCCAT  
 TTCCGGGAAAGTGTAGAAAAAATTCCTTATTCCAGACAAGCTCTTTGGGATGGTTCTTGGCTCTGCAC  
 CTTATACTGTTCCATTGCCAAAGAAACCGATTCACTGCTGGTCCACTAAAAATCTCCAGCGTATCAGAGGT  
 GATGACAGACTCTGAAGTCCCCATGGCAGACACCCAGGAAACGAACGGGGATACTCCAGCTTCCAGCAGCA  
 GGTGATCCGGCCCTGAGGTTGAGCATGAGGACACTATAAACACCGAATGTCCCAACTGATGAAGGAA  
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 AGGAGCGAAGAAAGGCAGTTGACGAAGTCTGATGCCCTTCTCAAGCCAAAGAAGAGTTAGAGAAGAT  
 GAAAACTATAATTGAAGATGCAAGAAAAGAGAGATTGCTGGGGCCACCCCTTATAAAGTCTGCAGAG  
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 GACGACCTGAACGCGCTCATTGCTCATGCCACCGTCGATTGATCAGCTCAACAGAGAGCTAGCGCAAC  
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 AGAAATGCCTACCATCCACTGGGAGTGCAGTTGAGGCCATCAGAGTCAAGTCTGATAATGAATTT  
 ACCCAGGCTTAACTGCAGCCATTCTCCAGAGTCCCTGACCCGGGGGTATACAGTGAAGAGACCTTAA  
 GAGCCCGTTTCTATGCTGTTCAAAAAGTCTGGAAGGGTAGCGATGATTGATGAAACAAAAATAGCCT  
 GTACCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

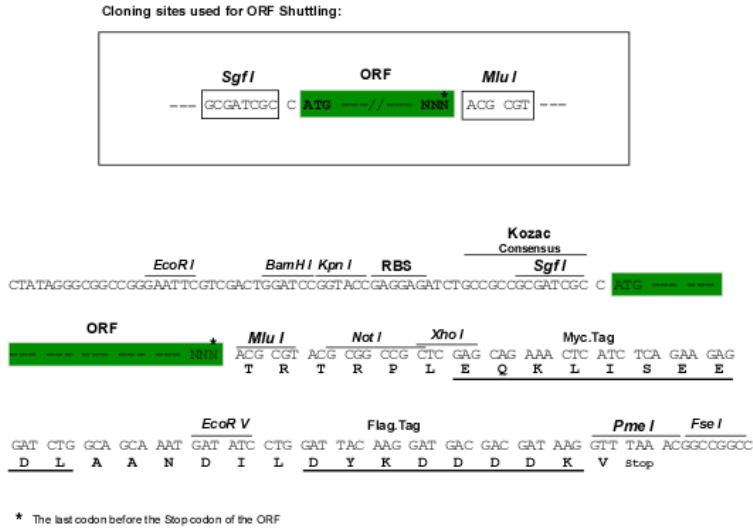
>RR206242 representing NM\_001034928  
 Red=Cloning site Green=Tags(s)

MLRACQLSGVTVAASCLCGKFLRPLRPCRRYSTSSSSGVTAGKIAGAGLLFVGGGIGGTILYAKWDSH  
 FRESVEKTIPIYSDKLFMVLGSAPYTVPLPKPIQSGPLKISSVSEVMTDSELPMAGTQETNGDTPASAA  
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 AMDNSEIAGEKKSQWRTVEGALKERRKAVDEAADALLKAKEELEKMKTIIEDAKKREIAGATPYITAAE  
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 DDNLALIAHAHRRIDQLNRELAQQKATEKQHIELALERQKLEEKRAFDSAVAKALEHHRSEIQAEQDRKV  
 EEVRDAMENEMRTQLRRQAAAHTDHLRDVLKVQEQLKFEFEQDLSEKLSEQLEFHRRSQEQMDNFTLD  
 INTAYARLRGIEQAVQSHAVAEERKAKHQLWLSVEALKYSMKTSSAEMPTIPLGSAVEAIRVSCSDNEF  
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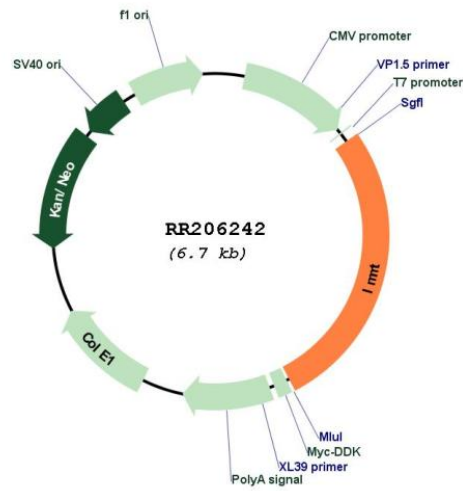
**TRTRP**LEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001034928

ORF Size: 1827 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001034928.1</a> , <a href="#">NP_001030100.1</a>
<b>RefSeq Size:</b>	1938 bp
<b>RefSeq ORF:</b>	1830 bp
<b>Locus ID:</b>	312444
<b>UniProt ID:</b>	<a href="#">Q3KR86</a>
<b>Cytogenetics:</b>	4q31
<b>MW:</b>	67.2 kDa
<b>Gene Summary:</b>	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]