

Product datasheet for **RN206242**

Immt (NM_001034928) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN206242 representing NM_001034928
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCGGGCCTGTCACTTATCCGGCGTGACCGTCGCGGCCAGAGTTGTCTGTGTGGGAAGTTTGTCC
 TCCGCCACTACGACCATGCCGTAGATACTCCACTTCAAGCAGTTCTGGGGTACTGCTGGTAAAATTGC
 TGGAGCTGGCCTTTTGTGGTGGAGGATTGGTGGCACTATCCTGTATGCCAAATGGGATCCCAT
 TTCCGGGAAAGTGTAGAAAAAATTCCTTATTTCAGACAAGCTCTTTGGGATGGTTCTTGGCTCTGCAC
 CTTATACTGTTCCATTGCCAAAGAAACCGATTCACTCTGGTCCACTAAAAATCTCCAGCGTATCAGAGGT
 GATGACAGACTCTGAAGTCCCATGGCAGACACCCAGGAAACGAACGGGGATACTCCAGCTTCCAGCAGCA
 GGTGATCCGGCCCTGAGGTTGAGCATGAGGACACTATAAACACCGAATGTCCCAACTGATGAAGGAA
 CATCTACATTCGTAAGTGCAGCTCTAGCCAAGAGTTTAGAAGATGCTCTGAACCAGACTGCAACCGTCCAC
 TCGGCAGACTATTACAGCCAGAATGCTGCAGTTCAGGCTGTCAAGGCACACTCCAGCAGACTGAAAACA
 GCCATGGACAATTCTGAGATTGCAGGTGAGAAGAAGTCAGCCAGTGGCGAACAGTGGAGGGTGCCTTGA
 AGGAGCGAAGAAAGGCAGTTGACGAAGTGTCTGATGCCCTTCTCAAAGCCAAAGAAGAGTTAGAGAAGAT
 GAAAACTATAATTGAAGATGCAAAGAAAAGAGAGATTGCTGGGGCCACCCCTTATAAAGTCTGCAGAG
 GAGAACTGCACAGCATGATAGTGGATCTGGATAGCGTGGTCAAAAAGTCCAGGCTGCTCAGTCAGAGG
 CTAAGGTGGTGTCTCAATATCATGAAGTGTGGTCCAAGCAAGGGATGACTTTAGAAAAGAGCTGGACAG
 CATCACTCCAGACATCACTCCTGGATGGAAAGGGATGAGTATTTCTGACCTAGCTGGCAGACTCTCCACT
 GACGACCTGAACGCGCTCATTGCTCATGCCACCCTCGCATTGATCAGCTCAACAGAGAGCTAGCGCAAC
 AGAAAGCCACAGAGAAGCAGCACATCGAGCTAGCCCTGGAAAGGCAAAAGCTAGAAGAAAAGCGAGCCTT
 TGACTCTGCGGTGGCAAAAGCGTTGGAGCACCATAGAAGTGAAATTCAGGCTGAGCAAGACAGAAAGGTA
 GAGGAAGTCAGAGATGCCATGGAGAATGAAATGCGGACCAACTTCGACGACAGGAGCTGCCACACTG
 ATCATTGCGAGATGTCCTCAAGGTGCAAGAACAGGAAGTGAAGTTTGAATTTGAACAGGACCTGTCTGA
 GAAATTGTCTGAGCAAGAATTAGAGTTTCATCGTCGAGTCAAGAACAATGGACAACCTTACTCTGGAC
 AATAACTGCCTATGCAAGTTGAGAGGAATTGAGCAGGCTGTTGAGAGTCAAGAGTGTCTGATAATGAATTT
 AAGCCAGAAAAGCCACCAGCTCTGGCTTTCAGTGGAGGCATTAAGTACAGCATGAAGACCTCATCTGC
 AGAAATGCCTACCATCCACTGGGAGTGCAGTTGAGGCCATCAGAGTCAAGTGTCTGATAATGAATTT
 ACCCAGGCTTAACTGCAGCCATTCTCCAGAGTCCCTGACCCGGGGGTATACAGTGAAGAGACCTTAA
 GAGCCCGTTTCTATGCTGTTCAAAAAGTCTGGAAGGGTAGCGATGATTGATGAAACAAAAATAGCCT
 GTACCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001034928

Insert Size: 1830 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001034928.1](#), [NP_001030100.1](#)

RefSeq Size: 1938 bp

RefSeq ORF: 1830 bp

Locus ID: 312444

UniProt ID: [Q3KR86](#)

Cytogenetics: 4q31

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]