

Product datasheet for **MC228738**

Immt (NM_001253687) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Immt (NM_001253687) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Immt
Synonyms:	1700082C19Rik; D830041H16Rik; HMP; P87; P87/89; P89
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228738 representing NM_001253687
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCGGGCCTGTCACTTATCCGGCGTGACCGTCGCGGCCAGAGTTGTCTGTGTGGGAAGTTCGTCC
 TCCGTCCACTACGACCATGCCGTAGATACTCCACTTCAAGCAGTTCTGGGTTGACTGCTGGTAAGATTGC
 TGGAGCTGGCCTTTTGTTCGTTGGTGGAGGGATTGGTGGCACTATCCTGTATGCCAAATGGGATCCCAT
 TTCCGGGAAAGTGTAGAGAAAACCATCCCTTACTCAGACAACTCTTTGGGATGGTTCTTGGTTCTGCGC
 CTTATACTGTTCCATTACCAAAGAAACCGGTTCACTGCTGGTCCACTAAAAATCTCCAGTGTATCAGAGGT
 GATGAAAGACTCCAACTGCCTGTGGCAGACAGCCAGAAAACGAAGGGAGACTCCAGTTCAGCAGCA
 GGTGATACACTTTCGGTCCCGGCCCTGCAGTTCAGCATGAGGACTATAAAAAACCGAATGTCCCAACA
 CTAATGAAGGAAAATCTACGCTGAAACCACAGCTCTAGCCAAGAGTTTGAAGATGCTCTGAACCGGAC
 TTCGTCTGTCACTCTGCAGACTATTACAGCCAGAAATGCTGCAGTTCAGGCTGTCAAGGCACACTCCAAC
 ATACTGAAAACAGCCATGGACAATTCTGAGATTGCAAGGTGAGAAGAAGTCGGCCCAAGTGGCGAACAGTGG
 AGGGTGCATTGAAGGAGCGAAGAAGGCAGTTGATGAAGCTGCCGATGCCTGCTCAAAGCAAAGAAGA
 GTTAGAGAAGATGAAAATAAATTGAAGATGCAAGAAAAGAGAGATTGCTGGAGCCACCCCTCATATA
 ACTGCTGCAGAGGGGAGACTTCAACAATGATAGTTGATCTGGATAACGTCGTAAGGTTCCAGGCTG
 CTCAGTCAGAGGCAAAGTGGTATCTCAGTATCATGAACCTTGGTCCAGCAAGAGATGACTTTAGAAA
 AGAGCTGGACAGTACTCTCCAGACACTCCTGGATGGAAAGGGATGACTGGCAAACCTCTACTGAT
 GACCTGAACACTCATTGCTCATGCCATCGTCGCATTGATCAGCTCAACAGAGAGCTAGCACAACAGA
 AAGCCACAGAGAAGCAGCACATTGAGCTAGCCTTGGAAAAGCACAAGCTAGAAGAAAAGCGGACCTTTGA
 CTCTGCAGTGGCAAAGCATTGGAGCACACAGAAGTGAATTCAGGCTGAGCAGGACAGAAAGGTAGAA
 GAAGTCAGAGATGCCATGGAGAATGAAATGCGGACCCAACTTCGACGGCAGGAGCTGCCACACTGATC
 ATTTACGAGATGCTCAAGGTGCAAGAACAGGAAGTGAAGTGAATTTGAACAGGGCCTGTCTGAGAA
 ACTGTCTGAGCAAGAATTAGAGTTTCGTCGTCAGTCAAGAACAATGGACAGCTTTACTCTGGACATA
 AATACTGCCTATGCCAGGTTGAGAGGGATTGAGCAGGCTGTTGAGAGTCACTGCAGTTGCTGAAGAAGAAG
 CCAGAAAAGCCCACCAGCTCTGGCTTTCAGTGGAGGCATTAAGTACAGCATGAAGACCTCATCTGCAGA
 AATGCCTACCATCCATTGGGGAGTGCAGTTGAGGCCATCAGAGTCAACTGTTCTGATAATGAATTTACC
 CAGGCTTTAACTGCAGCCATTCTCCAGAGTCCCTGACCCGGGGGTATACAGTGAAGAGACCCTAAGAG
 CCCGTTTCTATGCTGTTCAAAAAGTCCGAGGAGGATGAGGATGATTGACGAAACAGAAAATAGCCTGTA
 CCAATACTTCTTCTACTTACAGTCCCTACTCCTGTTCCCGCCTAAGCAACTGAAGCCCCCGGCGGAG
 CTCTACCTGAAGATATAAATACATTTAAATTGCTCTCATATGCCTCCTATTGTATTGAGCATGGTGACC
 TGGAGCTGGCAGCAAAGTTTGTCAATCAGCTCAAAGGGGAGTCCAGAAGAGTGGCACAGGACTGGCTGAA
 GGAGGCCCGAATGACCCTAGAACTAAGCAGATAGTGGAGATCTGACTGCATACGCCAGCGCCGTAGGA
 ATAGGAACCACTCAAGTGCAGCAAGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001253687

Insert Size: 2130 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001253687.1</u> , <u>NP_001240616.1</u>
RefSeq Size:	2633 bp
RefSeq ORF:	2130 bp
Locus ID:	76614
UniProt ID:	<u>Q8CAQ8</u>
Cytogenetics:	6 C1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) uses an alternate in-frame splice junction in the 5' coding region and lacks two alternate in-frame exons compared to variant 1. The resulting isoform (4) has the same N- and C-termini but is shorter compared to isoform 1.</p>