

Product datasheet for **MC228837**

Immt (NM_001253681) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Immt (NM_001253681) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC228837 representing NM_001253681
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGCGGGCCTGTCAAGTATCCGGCGTGACCGTCGCGGCCAGAGTTGTCTGTGTGGGAAGTTCGTCC
 TCCGTCCACTACGACCATGCCGTAGATACTCCACTTCAAGCAGTTCTGGGTTGACTGCTGGTAAGATTGC
 TGGAGCTGGCCTTTTGTTCGTTGGTGGAGGGATTGGTGGCACTATCCTGTATGCCAAATGGGATCCCAT
 TTCCGGGAAAGTGTAGAGAAAACCATCCCTTACTCAGACAACTCTTTGGGATGGTTCTTGGTTCTGCGC
 CTTATACTGTTCCATTACCAAAGAAACCGGTTCACTGCTGGTCCACTAAAAATCTCCAGTGTATCAGAGGT
 GATGAAAGACTCCAACTGCCTGTGGCAGAGCCAGAAAACGAAGGGAGACTCCAGCTTCAGCAGCA
 GGTGATACACTTTCGGTCCCGGCCCTGCAGTTCAGCATGAGGACTATAAAAAACCGAATGTCCCAACA
 CTAATGAAGGAAAATCTACGTCTGAAACCAGAGGAAGCATTCTCATCTTCTGTAAGGGAGCGACCACC
 CGAAGAAGTTGCAGCTCGTCTAGCGCAACAGGAAAAGCAAGAACAAGTTGAGATGGAGTCTCTAGCCAAG
 AGTTTAGAAGATGCTCTGAACCGGACTTCGTCTGTCACTCTGCAGACTATTACAGCCAGAAATGCTGCAG
 TTCAGGCTGTCAAGGCACACTCCAACATACTGAAAACAGCCATGGACAATTCTGAGATTGCAAGTGAGAA
 GAAGTCGGCCAGTGGCGAACAGTGGAGGGTGCATTGAAGGAGCGAAGAAAGGCAGTTGATGAAGCTGCC
 GATGCCCTGCTCAAAGCAAAAAGAAGAGTTAGAGAAGATGAAAACATAAATTGAAGATGCAAGAAAAGAG
 AGATTGCTGGAGCCACCCTCATATAACTGCTGCAGAGGGGAGACTTCACAACATGATAGTTGATCTGGA
 TAACGTCGTCAAAAAGTCCAGGCTGCTCAGTCAGAGGCAAGGTGGTATCTCAGTATCATGAACTGTG
 GTCCAAGCAAGAGATGACTTTAGAAAAGAGCTGGACAGTATCACTCCAGACATCACTCCTGGATGGAAG
 TCGTTCGATTGATCAGCTCAACAGAGAGCTAGCACAACAGAAAAGCCACAGAGAAGCAGCATTGAGCTA
 GCCTTGGAAAAGCACAAGCTAGAAGAAAAGCGGACCTTTGACTCTGCAGTGGCAAAAGCATTGGAGCACC
 ACAGAAGTGAAATTCAGGCTGAGCAGGACAGAAAAGGTAGAAGAAGTCAGAGATGCCATGGAGAATGAAAT
 GCGGACCCAACCTCGACGGCAGGACAGTGCACACTGATCATTACGAGATGTCCTCAAGGTGCAGGAA
 CAGGAACTGAAGTATGAATTTGAACAGGGCCTGTCTGAGAACTGTCTGAGCAAGAATTAGAGTTTCGTC
 GTCGCAGTCAAGAACAATGGACAGCTTTACTCTGACATAAAATACTGCCTATGCCAGTTGAGAGGGAT
 TGAGCAGGCTGTTAGAGTCATGCAGTTGCTGAAGAAGAAGCCAGAAAAGCCACCAGCTCTGGCTTCA
 GTGGAGGCATTAAGTACAGCATGAAGACCTCATCTGCAGAAATGCCTACCATCCCATTGGGGAGTGCAG
 TTGAGGCCATCAGAGTCAACTGTTCTGATAATGAATTTACCCAGGCTTTAACTGCAGCCATTCTCCAGA
 GTCCCTGACCCGGGGGTATACAGTGAAGAGACCTAAGAGCCCGTTTCTATGCTGTTCAAAAACAGCC
 CGAAGGGTAGCGATGATTGACGAAACAGAAAATAGCCTGTACCAATACTTCTTTCTACTTACAGTCCC
 TACTCCTGTTCCCGCCTAAGCAACTGAAGCCCCGGCGGAGCTCTACCCTGAAGATATAAATACATTTAA
 ATTGCTCTCATATGCCTCCTATTGTATTGAGCATGGTACCTGGAGCTGGCAGCAAAGTTTGTCAATCAG
 CTCAAAGGGGAGTCCAGAAGAGTGGCACAGGACTGGCTGAAGGAGGCCGAATGACCCTAGAACTAAGC
 AGATAGTGAGATCCTGACTGCATACGCCAGCGCCGTAGGAATAGGAACCACTCAAGTGCAGCAAGAGTA
 A

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001253681
Insert Size: 2241 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.
RefSeq:	<u>NM_001253681.1, NP_001240610.1</u>
RefSeq Size:	2744 bp
RefSeq ORF:	2241 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 (2) uses an alternate in-frame splice junction in the 5' coding region compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>