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Product datasheet for MC227862

Immt (NM_001253689) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Immt (NM_001253689) 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:

>MC227862 representing NM_001253689
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGCGGGCCTGTCAGTTATCCGGCGTGACCGTCGCGGCCCAGAGTTGTCTGTGTGGGAAGTTCGTCC
TCCGTCCACTACGACCATGCCGTAGATACTCCACTTCAAGCAGTTCTGGGTTGACTGCTGGTAAGATTGC
TGGAGCTGGCCTTTTGTTCGTTGGTGGAGGGATTGGTGGCACTATCCTGTATGCCAAATGGGATTCCCAT
TTCCGGGAAAGTGTAGAGAAAACCATCCCTTACTCAGACAAACTCTTTGGGATGGTTCTTGGTTCTGCGC
CTTATACTGTTCCATTACCAAAGAAACCGGTTCAGTCTGGTCCACTAAAAATCTCCAGTGTATCAGAGGT
GATGAAAGACTCCAAACTGCCTGTGGCACAGAGCCAGAAAACGAAGGGAGACACTCCAGCTTCAGCAGCT
CTAGCCAAGAGTTTAGAAGATGCTCTGAACCGGACTTCGTCTGTCACTCTGCAGACTATTACAGCCCAGA
ATGCTGCAGTTCAGGCTGTCAAGGCACACTCCAACATACTGAAAACAGCCATGGACAATTCTGAGATTGC
AGGTGAGAAGAAGTCGGCCCAGTGGCGAACAGTGGAGGGTGCATTGAAGGAGCGAAGAAAGGCAGTTGAT
GAAGCTGCCGATGCCCTGCTCAAAGCAAAAGAAGAGTTAGAGAAGATGAAAACTATAATTGAAGATGCAA
AGAAAAGAGAGATTGCTGGAGCCACCCCTCATATAACTGCTGCAGAGGGGAGACTTCACAACATGATAGT
TGATCTGGATAACGTCGTCAAAAAGGTCCAGGCTGCTCAGTCAGAGGCAAAGGTGGTATCTCAGTATCAT
GAACTTGTGGTCCAAGCAAGAGATGACTTTAGAAAAGAGCTGGACAGTATCACTCCAGACATCACTCCTG
GATGGAAAGGGATGAGTATTTCTGACCTAGCTGGCAAACTCTCTACTGATGACCTGAACTCACTCATTGC
TCATGCCCATCGTCGCATTGATCAGCTCAACAGAGAGCTAGCACAACAGAAAGCCACAGAGAAGCAGCAC
ATTGAGCTAGCCTTGGAAAAGCACAAGCTAGAAGAAAAGCGGACCTTTGACTCTGCAGTGGCAAAAGCAT
TGGAGCACCACAGAAGTGAAATTCAGGCTGAGCAGGACAGAAAGGTAGAAGAAGTCAGAGATGCCATGGA
GAATGAAATGCGGACCCAACTTCGACGGCAGGCAGCTGCCCACACTGATCATTTACGAGATGTCCTCAAG
GTGCAGGAACAGGAACTGAAGTATGAATTTGAACAGGGCCTGTCTGAGAAACTGTCTGAGCAAGAATTAG
AGTTTCGTCGTCGCAGTCAAGAACAAATGGACAGCTTTACTCTGGACATAAATACTGCCTATGCCAGGTC
ATGCAGTTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001253689

Insert Size: 1413 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:	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_001253689.1, NP_001240618.1
RefSeq Size:	2514 bp
RefSeq ORF:	1413 bp
Locus ID:	76614
Cytogenetics:	6 C1
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] Transcript Variant: This variant (6) lacks two alternate in-frame exons and uses an alternate splice junction in the 3' coding region compared to variant 1, that causes a frameshift. The resulting isoform (6) lacks an alternate internal segment and has a shorter and distinct C-terminus compared to isoform 1.