

## Product datasheet for **RR208021**

### Inmt (NM\_001109022) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Inmt (NM_001109022) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Inmt
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208021 representing NM_001109022 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCAGGCAAGGTATACATGGGAGGTGAGGACTATGAAAAAGAGTTCCTCCCAAAGACTACCTGACCA  
CCTTCTACAGCTTCGACTCTGGCACGGTGGCAGAACAGGAAATTGAAAATTCAGCCTGCAGAACCTCTA  
CCAGACCTTCTCTACAGGAGGTGTAGGGGAGATGTCTTGATTGACATTGGCTCTGGCCCCACCATCTAC  
CAGCTGCTTTAGCATGCGAGGTCTCCGGGAGATCATCGCCACTGACTACACCCACAGAACCTGCAGG  
AGCTGCAGAAATGGCTGAAGAAGGAGCCAGGAGCCTATGACTGGTCCCTCATTGTACAACATGTGTGTGA  
GCTGGAGGGAGACAGAAGCAGATGGCAGGAGAAGGAGGCCAAGCTCCGAAGGACAGTCACTCGTGTACTG  
AGGTGTGATGTGACCAAGACACCCCACTGGGGTCAAGTGCCTCTGGCCGACTGCGTGCTGACCT  
TTCTGGCCATGGAGTGTGCTGTCTGATGTAGATACCTACCGGGCAGCCTTGCGCAGACTGGCTGGCCT  
GCTGAAGCCAGGAGGGCATCTGGTTACCTTGGTTACTCTGCGCTTCCAGCACTATATGGTGGCCCCAAG  
AAGTTCTCTGGGGTCTACCTGGAGAAGGAGACGGTAGAAAAGGCTATTCAAGATGCTGGTTCCAGGTGC  
TAAGGTGCAACTGTGTCTCCCTCAGTACTCAGAGGCCTACTGTGTCAACGATGGTTATACTTCGTGGT  
TGCCCCAAAGGGTCCCAGTGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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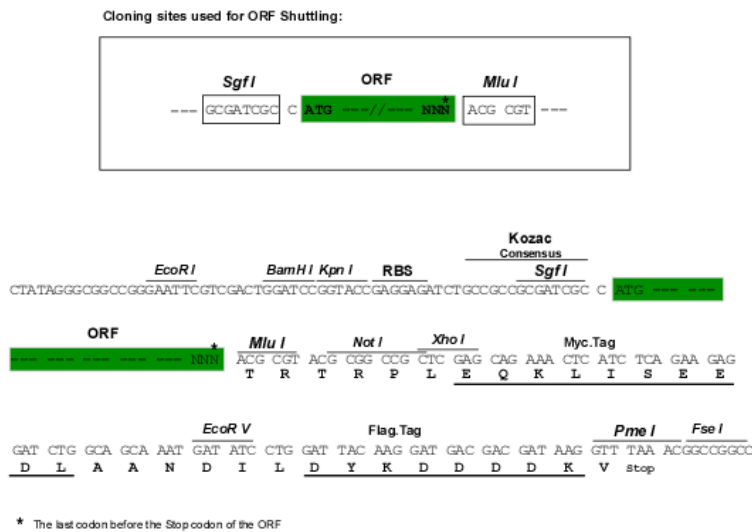
**Protein Sequence:** >RR208021 representing NM\_001109022  
Red=Cloning site Green=Tags(s)

MAGKVYMGGEDYEKEFTPKDYLTTFYSFDSGTVAEQEIVKFSLQNLVYQTFSTGGVGGDVLIDIGSGPTIY  
 QLLSACEVFREIIATDYTPQNLQELQKWLKKEPGAYDWSSIVQHVCELEGDRSRWQEKEAKLRRTVTRVL  
 RCDVTKTPPLGSAQVPLADCVLTFAMECACPDVDTYRAALRRLAGLLKPGGHLVTLVTLRFQHYMVGPK  
 KFSGVYLEKETVEKAIQDAGFQVLRNCVSLSYSEAYCVNDGLYFVVARKGPSA

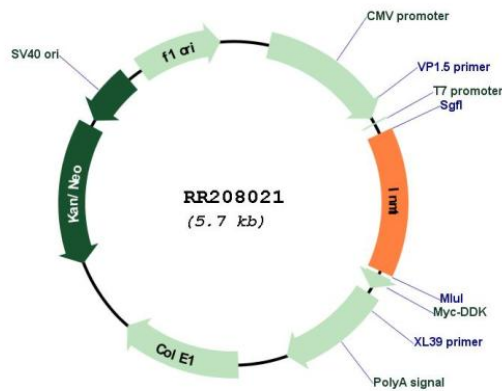
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001109022

**ORF Size:** 792 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001109022.1](#), [NP\\_001102492.1](#)

**RefSeq Size:** 1062 bp

**RefSeq ORF:** 795 bp

**Locus ID:** 368066

**Cytogenetics:** 4q24

**MW:** 29.5 kDa