

## Product datasheet for RC232317

### INMT (NM\_001199219) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** INMT (NM\_001199219) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** INMT  
**Synonyms:** TEMT  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC232317 representing NM\_001199219  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAAGGGTGGCTTCACTGGGGGTGATGAGTACCAGAAGCACTTCCTGCCAGGGACTACTTGGCTACTT  
ACTACAGCTTCGATGGCAGCCCCCTACCCGAGGCCGAGATGCTGAAGTTAACTTGGAAATGTCTCCACAA  
GACCTTCGGCCCTGGCCTCCAAGGGGACACGCTGATTGACATTGGCTCAGGTCTACCATCTACCAAGTT  
CTTGCTGCCTGTGATTCTTCCAAGACATCACTCTCTCCGACTTTACCGACCGCAACCGGGAGGAGCTGG  
AAAAGTGGCTGAAGAAGGAGCCGGGGCCATGACTGGACCCAGCGGTGAAATTCGCCTGTGAGCTGGA  
AGGAAACAGCGGCCGATGGGAGGAGAAGGAGGAGAAGTGCAGCGCGGTGAAGCGGGTGTCAAGTGC  
GATGTCCACCTGGGCAACCCGCTGGCCCCGGCTGTGTTGCCTCTCGCCGACTGTGTGCTCACCTGCTGG  
CCATGGAGTGTGCTGTGAGCCTTGTGCTACCGCGCTGCCCTGTGCAACCTTGCTCACTGCTCAA  
GCCGGTGGCCACCTGGTACCCTGTACGCTTCGGCTCCCGTCTACATGGTGGGAAGCGTGAATTT  
TCCTGCGTGGCCCTGGAGAAAGAGGAGGTGGAGCAGGCTGTCTGGATGCTGGCTTTGACATTGAACAGC  
TCCTACACAGTCCCCAGAGCTACTCTGTACCAATGCTGCCAACAAATGGGGTCTGCTTATTGTGGCTCG  
CAAGAAGCCTGGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001199219.2</a>
<b>RefSeq Size:</b>	2576 bp
<b>RefSeq ORF:</b>	789 bp
<b>Locus ID:</b>	11185
<b>UniProt ID:</b>	<a href="#">O95050</a>
<b>Cytogenetics:</b>	7p14.3
<b>Protein Pathways:</b>	Tryptophan metabolism
<b>MW:</b>	29.3 kDa
<b>Gene Summary:</b>	N-methylation of endogenous and xenobiotic compounds is a major method by which they are degraded. This gene encodes an enzyme that N-methylates indoles such as tryptamine. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream MINDY4 (aka FAM188B) gene. In rodents and other mammals such as cetartiodactyla this gene is in the opposite orientation compared to its orientation in human and other primates and this gene appears to have been lost in carnivora and chiroptera. [provided by RefSeq, Jul 2019]