

Product datasheet for **MG203504**

Inmt (NM_009349) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inmt (NM_009349) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Inmt
Synonyms:	Temt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203504 representing NM_009349 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGCAAGGTATACATAGGAGGTGAGGACTATGAAAAGAGTTCCTCCCAAAGACTACCTGACCA
CCTACTACAGCTTCCACTCTGGCCCCGTGGCAGAGCAGGAAATCGTAAAGTTTAGCCTGCAGAACCTCTA
CCAGACCTTCTACAGGAGGTGTAGGGGGCGACGTCCTGATCGACATTGGCTCTGGCCCTACCATCTAC
CAGCTGCTTTCAGCATGCGAGGTCTCCGGGAGATCATTGTCCTGACTACACCCCGAGAACCTGCAGG
AGCTGCAGAAGTGGCTGAAGAAAGAGCCAGGAGCCTACGACTGGTCCATAGTGAACATGCATGTGA
GCTGGAGGGAGACAGAAGCAGGTGGCAGGAGAAGGAAGCCAAGCTCAGAAGGACAGTCACTCGTGTCTGT
AGGTGTGATGTGACCAAGACACCCCGCTGGGGTCAAGTCAAGTCCATAGTGAACATGCATGTGA
TTCTGGCCATGGAGTGTGCCTGCCTGATATAGATACCTACCGGGCAGCCTTGGCAGACTGGCCGGCCT
GCTGAAACCAGGAGGGCACCTGGTGACCCTGGTACTCTGCGCTTCCAGCACTATATGGTGGGCCCAAG
AAGTCTCTGGGGTCTACCTAGAGAAGGAGGTGGTGGAGAAGGCTATTCAAGATGCTGGCTGTGAGGTGC
TGAAGTGAACCTGCGTCTCCCTCAGCTACTCGGAGGCTTACTGCTCCACGACGGTTTGTGCTTTGTGGT
GGCCCGGAAGGGTCCCAGTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203504 representing NM_009349
 Red=Cloning site Green=Tags(s)

MEGKVYIGGEDYEKEFTPKDYLTYYYSFHSGPVAEQEIVKFSLQNL YQTFSTGGVGGDVLIDIGSGPTIY
 QLLSACEVFREIIVTDYTPQNLQELQKWLKKEPGAYDWSSIVQHACELEGDRSRWQEKEAKLRRTVTRVL
 RCDVTKTPPLGSAQVPLADCVL TFLAMECACPDIDTYAALRRLAGLLKPGGHLVTLVTLRFQHYMVGPK
 KFSGVYLEKEVVEKAIQDAGCQVLKNCVSLSYSEAYCSDGLCFV VARKGPSA

TRTRPLE - GFP Tag - V

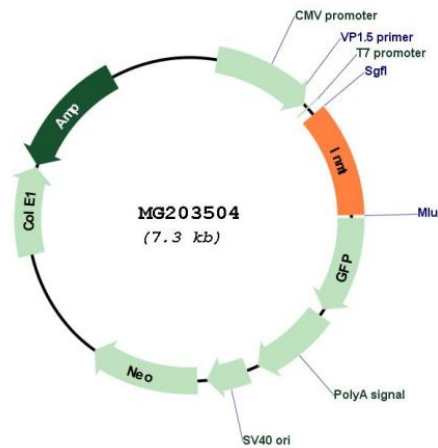
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_009349

ORF Size: 792 bp

OTI Disclaimer:	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:	<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:	NM_009349.1 , NP_033375.1
RefSeq Size:	1024 bp
RefSeq ORF:	795 bp
Locus ID:	21743
UniProt ID:	P40936
Cytogenetics:	6 B3
Gene Summary:	Catalyzes the N-methylation of tryptamine and structurally related compounds (By similarity). Functions as thioether S-methyltransferase and is active with a variety of thioethers and the corresponding selenium and tellurium compounds, including 3-methylthiopropionaldehyde, dimethyl selenide, dimethyl telluride, 2-methylthioethylamine, 2-methylthioethanol, methyl-n-propyl sulfide and diethyl sulfide. Plays an important role in the detoxification of selenium compounds.[UniProtKB/Swiss-Prot Function]