

Product datasheet for **SC303823**

INMT (NM_006774) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INMT (NM_006774) Human Untagged Clone
Tag:	Tag Free
Symbol:	INMT
Synonyms:	TEMT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303823 representing NM_006774. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGGGTGGCTTCACTGGGGGTGATGAGTACCAGAAGCACTTCTGCCAGGGACTACTTGGCTACT
TACTACAGCTTCGATGGCAGCCCTCACCCGAGGCCGAGATGCTGAAGTTAACTTGAATGTCTCCAC
AAGACCTCGGCCCTGGAGGCCTCAAGGGGACACGCTGATTGACATTGGCTCAGGTCTACCATCTAC
CAAGTTCTTGCTGCCTGTGATTCTTCCAAGACATCACTCTCTCCGACTTACCGACCGCAACCGGGAG
GAGCTGGAAGTGGCTGAAGAAGGAGCCGGGGCCTATGACTGGACCCAGCGGTGAAATTCGCCTGT
GAGCTGGAAGAAACAGCGGCCGATGGGAGGAGAAGGAGGAGAAGCTGCGGGCAGCGGTGAAGCGGGTG
CTCAAGTGCATGTCCACCTGGCAACCCGCTGGCCCCGGCTGTGTTGCCTCTCGCCGACTGTGTGCTC
ACCTGCTGGCCATGGAGTGTGCCTGCTGTAGCCTTGATGCCTACCGCGCTGCCCTGTGCAACCTTGCC
TCACTGCTCAAGCCGGTGGCCACCTGGTGACCACTGTCACGCTTCGGCTCCCCTACATGGTGGGG
AAGCGTGAATTTTCTGCGTGGCCCTGGAGAAAGAGGAGGTGGAGCAGGCTGTCTGGATGCTGGCTTT
GACATTGAACAGCTCCTACACAGTCCCCAGAGCTACTCTGTCCAAATGCTGCCAAATGGGGTCTGC
TTCATTGTGGCTCGAAGAAGCCTGGGCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_006774
Insert Size:	792 bp



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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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_006774.4
RefSeq Size:	2639 bp
RefSeq ORF:	792 bp
Locus ID:	11185
UniProt ID:	O95050
Cytogenetics:	7p14.3
Protein Pathways:	Tryptophan metabolism
MW:	28.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>