

Product datasheet for **RG200641**

NNMT (NM_006169) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NNMT (NM_006169) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NNMT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200641 representing NM_006169 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATCAGGCTTCACCTCCAAGGACACCTATCTAAGCCATTTAAACCCTCGGGATTACCTAGAAAAAT
ATTACAAGTTTGGTTCTAGGCACTCTGCAGAAAGCCAGATTCTTAAGCACCTTCTGAAAAATCTTTTCAA
GATATTCTGCCTAGACGGTGTGAAGGGAGACCTGCTGATTGACATCGGCTCTGGCCCCACTATCTATCAG
CTCCTCTCTGCTTGTGAATCCTTTAAGGAGATCGTCGTCAGTACTCAGACCAGAACCTGCAGGAGC
TGGAGAAGTGGCTGAAGAAAGCCAGAGGCCTTTGACTGGTCCCAGTGGTGACCTATGTGTGATCT
TGAAGGGAACAGAGTCAAGGGTCCAGAGAAGGAGGAGAAGTTGAGACAGGCGGTCAAGCAGGTGCTGAAG
TGTGATGTGACTCAGAGCCAGCCACTGGGGCCGTCCCCTTACCCCGGCTGACTGCGTGCTCAGCACAC
TGTGTCTGGATGCCGCCTGCCAGACCTCCCACCTACTGCAGGGCGCTCAGGAACCTCGGCAGCCTACT
GAAGCCAGGGGGCTTCTGGTATCATGGATGCGCTCAAGAGCAGCTACTACATGATTGGTGAGCAGAAG
TTCTCCAGCCTCCCCTGGGCCGGGAGGCAGTAGAGGCTGCTGTGAAAGAGGCTGGCTACACAATCGAAT
GGTTTGAGGTGATCTCGCAAAGTTATTCTCCACCATGGCCAACAACGAAGGACTTTTCTCCTGGTGGC
GAGGAAGCTGAGCAGACCCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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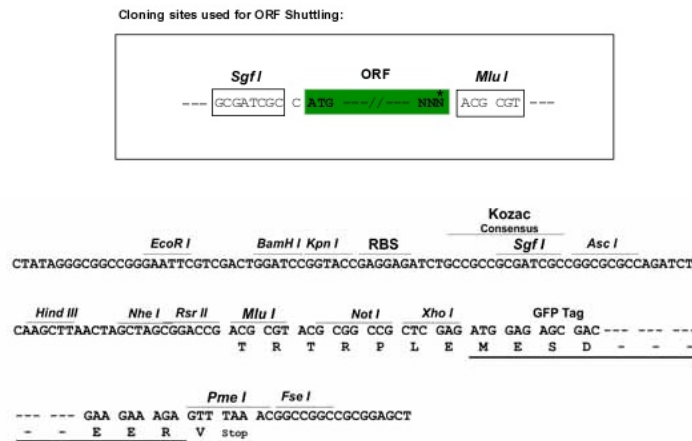
Protein Sequence: >RG200641 representing NM_006169
 Red=Cloning site Green=Tags(s)

MESGFTSKDTYLSHFNPRDYLEKYYKFGSRHSAESQILKHLKLNLFKIFCLDGVKGDLLIDIGSGPTIYQ
 LLSACESFKEIVVTDYSDQNLQELEKWLKKEPEAFDWSPPVTVYCDLEGNRVKGPKEEKLQAVKQVLK
 CDVTQSQPLGAVPLPPADCVLSTLCLDAACPDLPTYCRALRNLSLLKPGGFLVIMDALKSSYYMIGEQK
 FSSLPLGREAVEAAVKEAGYTIWFEVISQSYSSYTMANNEGLFSLVARKLSRPL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006169

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:

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_006169.3](#)

RefSeq Size: 1579 bp

RefSeq ORF: 795 bp

Locus ID: 4837

UniProt ID: [P40261](#)

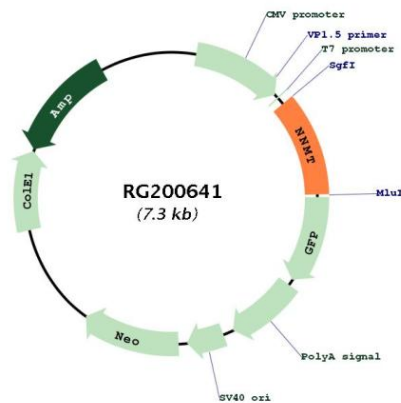
Cytogenetics: 11q23.2

Domains: NNMT_PNMT_TEMT

Protein Pathways: Metabolic pathways, Nicotinate and nicotinamide metabolism

Gene Summary: N-methylation is one method by which drug and other xenobiotic compounds are metabolized by the liver. This gene encodes the protein responsible for this enzymatic activity which uses S-adenosyl methionine as the methyl donor. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200641