

## Product datasheet for **MG227037**

### **Pnmt (NM\_008890) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pnmt (NM\_008890) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Pnmt  
**Synonyms:** Pent  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG227037 representing NM\_008890  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACGGTGGCTCAGACCTGAAGCACGCTACAGGGAGTGGCTCAGACCCGAAGCACGCTGCAGAGATGG  
 ACCCTGACTCCGACGCTGGCCAGGTAGCTGTCGCCTTGGCTTACCAGCGCTTCGAGCCCCGCGCCTATCT  
 CCGCAACAACACGCGCCTCCTCGTGGAGACCTGAGCAACCCTGATGGCGTCGGGCTTGAAGCTGCGC  
 TGCATGGCACAAGTCTTTGCTACCGGTGAGGTGTCGGGACGGTTCTCATTGATATTGGCTCCGGCCCCA  
 CCATATATCAGCTGCTCAGTGCCTGTGCCACTTTGAGGACATCACCATGACAGACTTCTTGAAGTCAA  
 CCGTCAGGAGCTGGGACTCTGGCTGCGAGAGGAGCCAGGAGCCTTTGACTGGAGTGTGTATAGTCAGCAT  
 GCCTGCCTCATTGAGGACAAGGGTGAGTCTGGCAGGAGAAAGAAGCCAGCTTCGAGCGAGGGTGAAGC  
 GAGTCTCGCTATCGATGTGCACAAGCCCCAGCCCTGGGAACTCCCAGTCTGGTCCCTCTGCCTGCCGA  
 CGCCTTGGTCTCTGCCTTCTGCCTGGAGGCTGTGAGCCAGATCTTACTAGCTTCCAGCGGGCTTTGCAT  
 CACATCACCACACTGCTGAGGCCGGGGTCACTCCTCCTCATTGGGGCCCTGGAGGAGTCTGGTACC  
 TTGCTGGGAGGCCAGGCTGTCTGTGGTCCAGTGTCTGAGGAGGAGGTGAGGGAGGCCCTGGTCTTTGG  
 TGGTTACGAGGTCCGAGAGCTTCGCACCTACATCATGCCTGCCACCTCTGCACGGGGGTAGATGATGTC  
 AAAGGCATCTTTTGCCTGGGCCAGAAAGATGGAGGTGCAGGTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG227037 representing NM\_008890  
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MNGGSDLKHATGSGSDPKHAAEMDPDSAGQVAVALAYQRFEPRAYLRNNYAPPRGDLSPDGVGPWKLRCMAQVVFATGEVSGRVLIDIGSGPTIYQLLSACAHFEDITMTDFLEVNRQELGLWLREEPGAFDWSVYSQH ACLIEDKGESWQEKERQLRARVKRVLPIDVHKPQPLGTPSLVPLPADALVSAFCLAVSPDLTSFQRALH HITLLRPGGHLLLIGALEESWYLAGEARLSVVPVSEEEVREALVLGGYEVRELRTYIMPAHLCTGVDDV KGIFFAWAQKMEVQV

TRTRPLE - GFP Tag - V

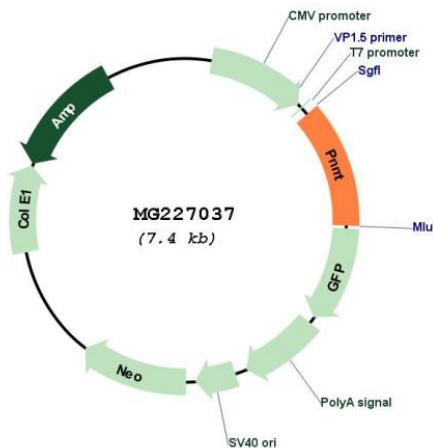
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_008890

**ORF Size:** 885 bp

<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_008890.2</a>
<b>RefSeq Size:</b>	888 bp
<b>RefSeq ORF:</b>	888 bp
<b>Locus ID:</b>	18948
<b>UniProt ID:</b>	<a href="#">P40935</a>
<b>Cytogenetics:</b>	11 D
<b>Gene Summary:</b>	Converts noradrenaline to adrenaline.[UniProtKB/Swiss-Prot Function]