

Product datasheet for MR227037

Pnmt (NM_008890) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pnmt (NM_008890) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pnmt
Synonyms:	Pent
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227037 representing NM_008890 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGGTGGCTCAGACCTGAAGCACGCTACAGGGAGTGGCTCAGACCCGAAGCACGCTGCAGAGATGG
ACCCTGACTCCGACGCTGGCCAGGTAGCTGTCGCCTTGGCTTACCAGCGCTTCGAGCCCCGCGCCTATCT
CCGCAACAACACGCGCCTCCTCGTGGAGACCTGAGCAACCCTGATGGCGTCGGGCTTGAAGCTGCGC
TGCATGGCACAAGTCTTTGCTACCGGTGAGGTGTCGGGACGGTTCTCATTGATATTGGCTCCGGCCCCA
CCATATATCAGCTGCTCAGTGCCTGTGCCACTTTGAGGACATCACCATGACAGACTTCTTGAAGTCAA
CCGTGAGGAGCTGGGACTCTGGCTGCGAGAGGAGCCAGGAGCCTTTGACTGGAGTGTGTATAGTCAGCAT
GCCTGCCTCATTGAGGACAAGGGTGAGTCTGGCAGGAGAAAGAAGCCAGCTTCGAGCGAGGGTGAAGC
GAGTCTGCCTATCGATGTGCACAAGCCCCAGCCCTGGGAAGTCCCAGTCTGGTCCCTCTGCCTGCCGA
CGCCTTGGTCTCTGCCTTCTGCCTGGAGGCTGTGAGCCAGATCTTACTAGCTTCCAGCGGGCTTTGCAT
CACATCACCACACTGCTGAGGCCCGGGGTATCTCCTCCTCATTGGGGCCCTGGAGGAGTCTGGTACC
TTGCTGGGAGGCCAGGCTGTCTGTGGTGCCAGTGTCTGAGGAGGAGGTGAGGGAGGCCCTGGTCTTTGG
TGGTTACGAGGTCCGAGAGCTTCGCACCTACATCATGCCTGCCACCTCTGCACGGGGGTAGATGATGTC
AAAGGCATCTTTTGCCTGGGCCAGAAAGATGGAGGTGCAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR227037 representing NM_008890
Red=Cloning site Green=Tags(s)

MNGGSDLKHATGSGSDPKHAAEMDPDSAGQVAVALAYQRFEPRAYLRNNYAPPRGDLSPDGVGPWKLRCMAQVVFATGEVSGRVLIDIGSGPTIYQLLSACAHFEDITMTDFLEVNRLQELGLWLREEPGAFDWSVYSQHACLIEDKGESWQEKERQLRARVKRVLPIDVHKPQPLGTPSLVPLPADALVSAFCLEAVSPDLTTSFQRALHHITTTLLRPGGHLLLLIGALEESWYLAGEARLSVVPVSEEEVREALVLGGYEVRELRTYIMPAHLCTGVDDVKGIFFAWAQKMEVQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9058_d03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008890

ORF Size: 885 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_008890.2](#)

RefSeq Size: 888 bp

RefSeq ORF: 888 bp

Locus ID: 18948

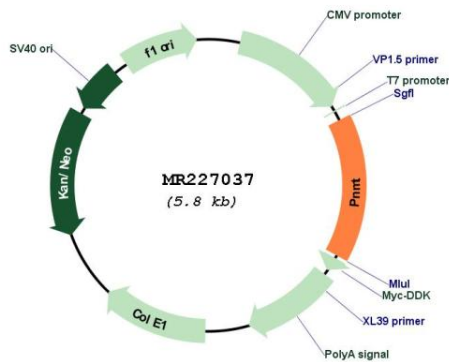
UniProt ID: [P40935](#)

Cytogenetics: 11 D

MW: 32.5 kDa

Gene Summary: Converts noradrenaline to adrenaline.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227037