

Product datasheet for **MC203819**

Bhmt2 (NM_022884) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bhmt2 (NM_022884) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bhmt2
Synonyms:	C81077; D13Ucla2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC013515
 GGGACCCGCGCCTGTACAGCGGGCGGACATGGCACCAGCTGGAAGCACTCGAGCCAAGAAGGGCATCTT
 GGAGCGTCTGGACAGCGGGGAGGTGGTGGTTGGGGACGGCGGCTTTCTTCACTCTGGAAAAGAGAGGC
 TTCGTGAAGGCGGGGCTTTGGACTCCAGAAGCAGTGGTAGAACATCCAAGTGCAGTTCGTCAACTCACA
 CAGAATCTTGAGAGCGGGAGCTGATGTCTGCAGACATTCACCTTTCTGCTACTGAAGACAATATGGC
 CAGCAAGTGGGAAGCTGTGAATGCAGCTGCCTGTGACCTGGCCCAGGAGGTGGCTGGTGGAGGGGTGCT
 TTGGTGGCAGGGGCATCTGCCAGACATCACTTACAAGTACCACAAGGATGAAACTAGAATTA AAAACA
 TTTTTCGACTACAGCTAGAAGTTTTTCCAGGAAAAATGTGGACTTCTTGATTGCAGAGTATTTTGAGCA
 TGTGGAAGAAGCTGTATGGGCTGTCGAAGTCTTGAGAGAGGTGGGGGCACCTGTGGCTGTGACCATGTGC
 ATCGGCCAGAGGGGACATGCACGACGTGACACCTGGAGAGTGTGCGGTGAAGCTGGCGGTGCAGGGG
 CGGACATCATTGGGGTCAACTGCCGTTTTGGCCCTGGACTAGCTTGCAGACCATGAAGCTCATGAAAGA
 GGGCCTCAGAGATGCCAGCCTGCAGGCTCACCTTATGGTCCAGTGTGGCTTCCACACACCGGACTGT
 GGCAAGGAGGGTTTTGTGGACCTCCAGAGTATCCCTTTGGCCTGGAGCCAAGAGTTGCCACCAGATGGG
 ATATTCAAAAATACGCCAGAGAGGCCTACAACCTGGGGATCAGGTACATTGGCGGCTGCTCGGATTTGA
 GCCCTACCACATCAGGGCGATTGCAGAGGAACTGGCCCCAGAAAGGGGATTTTTGCCACCGGCTTCAGAG
 AAACATGGCAGCTGGGGAAGTGGTCTGAACATGCACACCAAAACCTGGATCAGAGCAAGGGCTAGACGAG
 AATACTGGGAGAATCTGCTGCCAGCCTCAGGAAGACCTTTCTGTCTTCCCTATCAAAGCCAGATGCATA
 AGAAGCAATGAAAGAGAACTCTGAAGTGACAAGACAGGAGGAATTAGCCACAAGCCCCACCTGGAACCTT
 TCTTGCTGCTGTCTTCAGCCTACCCTGCTTCTGGCTGTGAGCATCTATGAGTGGTATCCCTTCAGTT
 GTAGTGACATGCTACTCTGAGCATGCTCATCAGATGCAGTGGAGATGCAGAGGCACCTGGACCCACCC
 CACGCCCGCTCACTCTCTGCCGAGTAATGCCACGGCCCTCCATTTGAAGGTCAATGGGCATGGCCAGAG
 TTGGCTCTCAGGGTGGATTTGACATTCTCAAATAATCCCAAGTCAGCAAGAAGCAACCTTGGTGAATAAT
 TCTGGTGTGAAGCTAGGTCTTGAGCTACAGTCTCAGGAGAAGAGAGGCCAAAGCTGTTGTGAGTGATGG
 CAAGGCTATTGAACAGTCATGATGCTTGGCTTCCAGGATGACTTCTCGCTTTAAAGTCCTGGAATTTGT
 AAGTGCATCTTTATAGCCATGCATGGCTAGATTATAAACTACTGATGGCCAAGGACCGTATAATATGCTT
 CTTACATCTCTCTGCTTAGCTTTATGCCAACTTAATACCAATGCTCAGGAAAACACTTGCTGATTA
 AAGCAAAACACATGAACCTTGAAGGCCGTTTTAGA ACTCAGAGAGCAAGTTCATCTTGTCTAGCACTT
 TCTATGTTTCATGTTTGTGTGTACTGTGCCCACTTTTCTGTTTTTCACTTCAGTGTAGCAGTGTGTA
 ACAATGAGTAAGATTAAGATAATTTTTCTTTTCAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_022884

Insert Size: 1092 bp

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).

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: [BC013515](#), [AAH13515](#)

RefSeq Size: 1939 bp

RefSeq ORF: 1092 bp

Locus ID: 64918

UniProt ID: [Q91WS4](#)

Cytogenetics: 13 47.88 cM

Gene Summary: Involved in the regulation of homocysteine metabolism. Converts homocysteine to methionine using S-methylmethionine (SMM) as a methyl donor.[UniProtKB/Swiss-Prot Function]