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Product datasheet for SC210861

BHMT2 (NM_017614) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	BHMT2 (NM_017614) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	BHMT2
ACCN:	NM_017614
Insert Size:	1525 bp

View online »

Insert Sequence:

>SC210861 3'UTR clone of NM_017614
The sequence shown below is from the reference sequence of NM_017614. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TGTCCTTCGCTGTCAAAGCCAGACTTCTAAGGAGTAGTGAAAGAAAACCCTGAAATAATCGAACAGGAA
AAAGTTGCCCTCAAGCCTGACCTGGAACCGTTCCTCACCTTCATCCTCACCATGCCCTGCTATCTCCAG
CTGCTGAGCAGCTGAGGTGCTGCAGCCCCTTCCCTTCCAGCCCACAAGTGTGTGCATATTGAGCTCCTG
CTGTGGTTAAGCACTGCAACAGACTCTACCAGAGATGCAAAGAGAAGCGAGAGAGGCACCTTGTTCTCC
AAGAACTTACTGTCCAATCATGCTGTGGTGCATTCCTTTGAAGATCATGAAGAATAGCCAAACTTGTCT
TTGAGGGTGAATTTGACACTTTAAAATAATCAGAAGTCACTGAGACCCAAAGCTAGTGAATAATTCAAG
TGACTAAGCTAGATACTTGAGGATGATAGAGCAACACTAAACTAAAGCAATGAGTCTGCTTTTTTTAAT
GATTTATACAATGACTCCAAAGGCAATCCCAAAGAAAAGATGTAAAGAATGTTTTGAGCAATGGTAGCA
TTATTGAAATAAATGTTTAACTATCCAAAGTGATTACTTTCAAAGATGATTTTTACTTAAAGATATTAG
GTCTGGCCAGGCGAAGTGACTCACACCTGCAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGATCACC
TGAGGTCAGCAGTTCAAGACCAGCCTGACCAACATGGTGAAACCCTGTCTCTACCAAAATACAAAAATT
AGCCGGGCATGATGGCGGGTGCCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATCGCTTGAA
CCCAGGAGGCGGAGCTTGCAGTGAGCCGAGATCAGGCCATTGCACTTCAGCCTGGGTGACAGAGTGAGA
CTCCATCTCAAAAAAAAAAAAAAAAAGATATTAGGTCCTAGAATTTTTAAAATGTGTCTTCATAATCATA
GGTAGCTAGGTTATAAACTATTTAAAGACAAGATCACGTGATAAGCTTATAATCTTCTCATAATTCCCC
TTACTTAGCATTGTGTTAGACATACTAATAGGTGCACAGTGAAATACTTATTGTTGATTGTTTAAAAAT
AAAGTTTTAGAAAACCTTTTCAAAAGTCAGAGTTTAGGCCAGGGGCACAGGCTGACACCTATAATCCCA
GCACTTTGGGAGGCCAGGGCGGGCAGATCACTTGGGTCAAGAGTTCAAGGCCAGCCTGGCCAACATGGC
AAAACCCCATCTCTACTAAATAAAATACAAAAATTATCCAGGCATGGTGGTGCATGCCTGTAATCCCAG
CTACTTGGAGGCTGAGGCATGAGAATTGCTTGAACCTGGGAGGCAGAGGTTGCAGTGAGCTGAGATCGC
CCCACTGCAATCCAGCCTGGGAGACATAATTCAAATCTATTTTGGTCTTATATCTTCTTATGTTTGTGT
TATTTCATGTGTGCCAGTTTCTCTTTTTTTCACAACAATTTATCAATTTGTGGCAATAAAAATGATTTA
CCTTTTA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_017614.5

Summary: Homocysteine is a sulfur-containing amino acid that plays a crucial role in methylation reactions. Transfer of the methyl group from betaine to homocysteine creates methionine, which donates the methyl group to methylate DNA, proteins, lipids, and other intracellular metabolites. The protein encoded by this gene is one of two methyl transferases that can catalyze the transfer of the methyl group from betaine to homocysteine. Anomalies in homocysteine metabolism have been implicated in disorders ranging from vascular disease to neural tube birth defects such as spina bifida. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2010]

Locus ID: 23743

MW: 57.5