

## MMACHC-methylmalonic aciduria (cobalamin deficiency) cblC type, with homocystinuria Gene

Reference: PTXBC006122

|                |                                                                                                                                                                                              |                     |                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|
| Product type:  | DNA                                                                                                                                                                                          | Storage Condition:  | -20°C          |
| Size/Quantity: | 2 ug                                                                                                                                                                                         | Delivery Condition: | +4°C, Blue Ice |
| Synonyms       | cblC; methylmalonic aciduria and homocystinuria type C protein; cyanocobalamin reductase (cyanide-eliminating); methylmalonic aciduria (cobalamin deficiency) cblC type, with homocystinuria |                     |                |

**For research use only.**

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|-------------------------|---------------------------------------------------------------------------------------------------|
| <b>GENE DESCRIPTION</b> | methylmalonic aciduria (cobalamin deficiency) cblC type, with homocystinuria                      |
| <b>GENE ID</b>          | 25974                                                                                             |
| <b>ORIGIN SPECIES</b>   | Human                                                                                             |
| <b>ACCESSIONS</b>       | BC006122                                                                                          |
| <b>VECTOR</b>           | pDONR223                                                                                          |
| <b>NCBI SYMBOL</b>      | MMACHC                                                                                            |
| <b>LENGTH</b>           | ProteoGenix bp                                                                                    |
| <b>SEQUENCE PRIMERS</b> | Forward primer M13R (5'→3'): GTAAAACGACGGCCAGT<br>Reverse primer T7P (5'→3'): TAATACGACTCACTATAGG |

### ORF (Only for reference, product provided without STOP codon )

atgtttgacggggccctcaagccctcttgcagagctgccacctccgaatgctgactgacccagtgaccagtggtgtggcctaccatctgggcccgtgttagagagagcctccagagctgcagatagaatcattgctgactacgaggtgcacccaaccgacgccccagatcctggcc  
cagacagcagcccatgtagctgggctgcttactactaccaacgacaagatgtggagctgacccatgggggaaccagcgcatacagggtgtgtgcatacaccgccgatttggggctggtttgccatccgaggggtagtgctgctgccagggatagaggtgccagatctcccccag  
aaaacctcatgactgtgtacctacaagagctgaccgtatgccctactcgaaggctcaatttccactggcgtgattggacttaccgggatgctgtgacacccagggagcgtactcagaagagcagaagggcctacttccactccacctgcccaacgattggcctattgggcttggctca  
gccctcagagaagcctagttctccctccccggaccttccctttaccacacccgcccccaagaagcctgggaatcccagcagagcccgagctggctcagccccaggggtctcaccactgcacccctggcccttga