



Reference: PTXBC015062

|                |                                                                                                                                                                                                                                                                 |                     |                |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|
| Product type:  | DNA                                                                                                                                                                                                                                                             | Storage Condition:  | -20°C          |
| Size/Quantity: | 2 ug                                                                                                                                                                                                                                                            | Delivery Condition: | +4°C, Blue Ice |
| Synonyms       | NMDMC; bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial; NAD-dependent methylene tetrahydrofolate dehydrogenase cyclohydrolase; methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohy |                     |                |

**For research use only.**

|                         |                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------|
| <b>GENE DESCRIPTION</b> | methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2,                                      |
| <b>GENE ID</b>          | methenyltetrahydrofolate cyclohydrolase<br>10797                                                  |
| <b>ORIGIN SPECIES</b>   | Human                                                                                             |
| <b>ACCESSIONS</b>       | BC015062                                                                                          |
| <b>VECTOR</b>           | pDONR223                                                                                          |
| <b>NCBI SYMBOL</b>      | MTHFD2                                                                                            |
| <b>LENGTH</b>           | ProteoGenix bp                                                                                    |
| <b>SEQUENCE PRIMERS</b> | Forward primer M13R (5'→3'): GTAAAACGACGGCCAGT<br>Reverse primer T7P (5'→3'): TAATACGACTCACTATAGG |

atgaaacacagctctcaattcagagagaagaattgtgaatttaatacaataaactgaataatgatgataatgatagatgctccctctgttcagctgcccttcagacacataatgatgagagaaggatctgcaatctgtttccagacaaggatgttgatggctttcatgtaataatgtaggacgaatgtgtttggatcagtatccatgttaccggctactccatgggggtgtgtgggaataataacagcgaaactggtcattccaacctgagggaagaatgtgtgtgtgtggctggaaggtcaaaaaacgttggaatgccattgcaatgttactgcacacagatggggcgcatgaacgtcccgagggtgatgccactgttacaatatcatcgtatatactcccaagagcaggttgaagaacacatacaattcttcagatattgtaatatctgtcgcaggtattccaacttgatcacagcagatagatcaagggaaggagcagcagctcattgatgtgggaataaataagattcacgatctctgaactgccaaacccaagtgtgttggagatgtggatlttgaaggagtcagacaaaaagctgggtatctactccagttccttgagggtgttggcccatgacagtggtgcaatgctaataagaataacattatgtctgcaaaaaagtgctgaggcttgaagagcgagaagtgctgaagctlaaagagctgtgggtagccataattaa