

## MITF-microphthalmia-associated transcription factor Gene

Reference: PTXBC012503

|                |                                                                                                                                                                                                                    |                     |                |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|
| Product type:  | DNA                                                                                                                                                                                                                | Storage Condition:  | -20°C          |
| Size/Quantity: | 2 ug                                                                                                                                                                                                               | Delivery Condition: | +4°C, Blue Ice |
| Synonyms       | CMM8; WS2; WS2A; bHLHe32; microphthalmia-associated transcription factor; class E basic helix-loop-helix protein 32; microphthalmia-associated transcription factor; melanogenesis associated transcription factor |                     |                |

**For research use only.**

---

|                         |                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------|
| <b>GENE DESCRIPTION</b> | microphthalmia-associated transcription factor                                                    |
| <b>GENE ID</b>          | 4286                                                                                              |
| <b>ORIGIN SPECIES</b>   | Human                                                                                             |
| <b>ACCESSIONS</b>       | BC012503                                                                                          |
| <b>VECTOR</b>           | pDONR223                                                                                          |
| <b>NCBI SYMBOL</b>      | MITF                                                                                              |
| <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 )

atgctggaatgctagaatataatcactatcaggtgcagaccacctcgaaaacccacaaagtagcacatacagcaagcccaacggcagcaggtaaagcagtagcttctaccacttttagcaataaacatgccaaacagtcctgagcttgccatgtccaaaccagcctggcgatcatgt  
catgccaccgggtgccgggagcagcgcacccaacagcccatggctatgcttacgcttaactccaactgtgaaaaagagttatgaagcagtgga