



Reference: PTXBC010046

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|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|
| Product type:  | DNA                                                                                                                                                                                                                                     | Storage Condition:  | -20°C          |
| Size/Quantity: | 2 ug                                                                                                                                                                                                                                    | Delivery Condition: | +4°C, Blue Ice |
| Synonyms       | GEF5; P60; TIM; TIM1; rho guanine nucleotide exchange factor 5; Rho guanine nucleotide exchange factor (GEF) 5; ephexin-3; guanine nucleotide regulatory protein TIM; oncogene TIM; p60 TIM; transforming immortalized mammary oncogene |                     |                |

**For research use only.**

|                         |                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------|
| <b>GENE DESCRIPTION</b> | Rho guanine nucleotide exchange factor (GEF) 5                                                    |
| <b>GENE ID</b>          | 7984                                                                                              |
| <b>ORIGIN SPECIES</b>   | Human                                                                                             |
| <b>ACCESSIONS</b>       | BC010046                                                                                          |
| <b>VECTOR</b>           | pDONR223                                                                                          |
| <b>NCBI SYMBOL</b>      | ARHGEF5                                                                                           |
| <b>LENGTH</b>           | ProteoGenix bp                                                                                    |
| <b>SEQUENCE PRIMERS</b> | Forward primer M13R (5'→3'): GTAAAACGACGGCCAGT<br>Reverse primer T7P (5'→3'): TAATACGACTCACTATAGG |

atggaggagcctttcaagacgctgtccaaactcatcaactctccagctgtcttaccaggagtagatgtagtattgttctgaataaggagatccagagccagcagcgctggagagcctctccgagacaccggcgctagctctccggcagcctcggaagccctggtctctccagctgcttacctgcagcggctctccatggctccagcggctccctctggcaggaatcccgctgtgcgcagacagcctgtctctctatgacacctgaagacaacaaagctcgaagagctcaaaattgttcagctgattgttgcagagcctctacctctccgagctcaaatagatctgtgacatcttcaacttcaacttcaactctccggccacacttccaacagagcacaactgtctctctctcttcttcagagattgtgcagacgtccagctccgacacctgtctctctctcaagctcgaagaagacacttgcgaagaacatctgtcttccaaagtattgtctgagctgacccggccacagctgcgggtctacctgctctatgtatgcccaaccagacatcatcgaagcgcaccttccagagcctgtagatgaatagcaacagcaattccggggaggtcttggagaagctggagagcgaccctgctccagcgccttccctcaagtctcttctgattctgctctccacgcatacccccgcctcaaaactgctctgcagaaagctcttgaagaaacagcagcgtcggtctccgtagaggagcagagcgcaggaagcagacacacccgctcggagacagtctacccggagctcagaataaactgtcagcagcagagagctaaactcatgcagcagaagattgttgaagctcaaaatctccctctattctcagctcgtctgtgtgaagtggggagctgagcgtctggagtctcttccggactcgaagaaagctatcagcagctcgaatctctcagctctctgtctgtctgtctgtcccccagagctgagctgacgttccctgtattggctgtttgacatgtctctctctctcattccgggggggaaagtgtgaaatgaagctacatggacctcacaaaaactgttccgactcttctcggcgaacactcaggcgccacaggccgagttctctctccgcagcgagactcaaaagtgaaaagcttcggtgatctcagccttggccatgccaaagagaggtgtggacctctggagctgttacaaccccccgagtagactgtctctcagactctaacagccccgagagaatgatgaattggcactgcagaagaacccgacgtgtgtgattgtgacagcagacagctgacgctgtgagcggcgccggcgtagctctcagacgtggagcggagctgtttctgttcagcaggtgttcagcttcttccaaaccagagctgtcgtctgttcaggaagcagctcagctcga