

## TGM5-transglutaminase 5 Gene

Reference: PTXBC122859

|                |                                                                                                                                                                           |                     |                |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|
| Product type:  | DNA                                                                                                                                                                       | Storage Condition:  | -20°C          |
| Size/Quantity: | 2 ug                                                                                                                                                                      | Delivery Condition: | +4°C, Blue Ice |
| Synonyms       | PSS2; TGASE5; TGASEX; TGM6; TGMX; TGX; protein-glutamine gamma-glutamyltransferase 5; TG(X); TGase X; TGase-5; transglutaminase V; transglutaminase X; transglutaminase 5 |                     |                |

**For research use only.**

|                         |                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------|
| <b>GENE DESCRIPTION</b> | transglutaminase 5                                                                               |
| <b>GENE ID</b>          | 9333                                                                                             |
| <b>ORIGIN SPECIES</b>   | Human                                                                                            |
| <b>ACCESSIONS</b>       | BC122859                                                                                         |
| <b>VECTOR</b>           | pDONR223                                                                                         |
| <b>NCBI SYMBOL</b>      | TGM5                                                                                             |
| <b>LENGTH</b>           | ProteoGenix bp                                                                                   |
| <b>SEQUENCE PRIMERS</b> | Forward primer M13R (5'→3'): GTAAACGACGGCCAGT<br>Reverse primer T7P (5'→3'): TAATACGACTCACTATAGG |

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

atggcccaaggctagaagtggccctcacagacctccagagctccagaaataatgtgcggcaccacacggaggagatcactgtgaccacctgttctgcccggggccaggcctcaacctaccctgtactcaggaaacggagctccagccaggcctggacaacatcatcttctgggtgaaactggaccgtgccagacctggccttgggggactcgggtgtgttcagcctggcagccatcacagcccccgggattgctgctgggtggagaccatggggccacctccacagagtgagcttggcgtcctcccaaggcggcgtgggtcgttacctctgaaaatccacatcgactcctccagggtctgtgacggcctaccagctaggggaggtcatctgttcaatccctgggtgccagaggatgctgtctacttggacagtgaaacccagaggcaggagtgatgaatgattatggctcatctaccaaggcagcaagaactggatccgcccattgtccctggaaatggacagtttgaagacaaatcatagacatctgctgaagctgtagacaagagcctgcacttccagactgaaccagccacagagactgtgctctgcggggaagcccgctctacgtcagcagagtgtgtgtgccaatgatcaacagcaatgatgataatgggtgctcaatggaaactggagtgagaattacacagacggcgaacctgggagtgagcgggacagctggccatcctgaagcagtggaacgccacaggcctgccagcccgctgcctacggcgaatgctgggtcttctgctgctcagtgccacagtgatgaggtgtctggggatccctaccctgtgtatcaccaacttgcactctggccagatagatgaaacctgatcatagatgagtactatgacaacacaggcaggatgttggggaataagaagaagatactatctggaacttccatgtctggaatgagtgctggatggcccggaaggatctgccccctgcataaggagcgtgcaggtgtctggacgcacacctcaggagatgagcaacggcgtctactgtgtggccctgctctgcagagccatcaaaagaaggagagtgaggacctgaactatgacagcccttgtgttttcgatgtggaatgctgactgcatgtctcgtggctgtccaggaggaggaaggagcagaagcttcaccaggacacaggttctgttggcaatttatcagcacaaagagcatccagagtgacgagcgggatgacatcacagagaactacaagtatgaagaaggatccctcaggagaggcaggtgtttctgaagcgtctgcagaagctgaagcctagaagctccatggctcccaaggaggagcagagttgcaaccttcaggccacatcactgagccaggacagccctcgagcctgcatacaccttccctcgacccagtgatgtgtgcaagtctccctgaaatcaagctgctcgacccgcccaacatgggccagagatatactgttctgctgctggccctcaacatgtctccagttcaaggacctcaagtgacacctgacacacagcagcctgttcatcacctctctctaaagaagcaagacacctgcaaaatctctattccagtagacagccagttacgttcaacagacaagctgatccgcatcagtgccctgggtgaagagaaaagcagtcctgagaaaatcctgtgtgaacaagatcatcacttattatccaagcatcacgattaatgttctaggagcagccgtgtgaaccagccactctccatacagggtgataatttcaaacccctctcggagcaggttgaggactgtgtgctgactgtggaaggaggtggcctcttcaagaacagcagaaggtcttcttggagtcctcaaaccccaacaccaaagcaagcatcattctggagaccgtcccttcaagagtggaacaaggcagatcaagctaatatgagaagcaacaagtttaaggacatttaagggttacaggaatgttatgtagactttgcatataa