

### INS-insulin Gene

Reference: PTXBC005255

|                |                                                                   |                     |                |
|----------------|-------------------------------------------------------------------|---------------------|----------------|
| Product type:  | DNA                                                               | Storage Condition:  | -20°C          |
| Size/Quantity: | 2 ug                                                              | Delivery Condition: | +4°C, Blue Ice |
| Synonyms       | IDDM; IDDM1; IDDM2; ILPR; IRDN; MODY10; preproinsulin; proinsulin |                     |                |

**For research use only.**

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|-------------------------|---------------------------------------------------------------------------------------------------|
| <b>GENE DESCRIPTION</b> | insulin                                                                                           |
| <b>GENE ID</b>          | 3630                                                                                              |
| <b>ORIGIN SPECIES</b>   | Human                                                                                             |
| <b>ACCESSIONS</b>       | BC005255                                                                                          |
| <b>VECTOR</b>           | pDONR223                                                                                          |
| <b>NCBI SYMBOL</b>      | INS                                                                                               |
| <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 )

atggccctgtggatgcgcctcctgccctgctggcgctgctggccctctggggacctgacccagccgcagcctttgtgaaccaacacctgtgcggctcacacctgtggaagctctctacagtggtgcggggaacgaggtcttctacacaccaagaccgccgggagggcagagga  
cctgcaggtggggcaggtggagctgggcggggccctggtgcagcagcctgcagccctggccctggaggggtccctgcagaagcgtggcattgtggaacaatgctgtaccagcatctgctccctctaccagctggagaactactgcaactag