

# Virtual Design and Specificity Testing of GAPDH PCR Primers

**Forward Primer (5' → 3'):**

TCGGAGTCAACGGATTTGGT

**Reverse Primer (5' → 3'):**

TTCCCGTTCTCAGCCTTGAC

**Melting Temperature (T<sub>m</sub>):**

- Forward: 59.32 °C
- Reverse: 59.97 °C

**GC Content:**

- Forward: 50%
- Reverse: 55%

**Expected Product Size:**

181 bp

**Specificity Statement:**

*The primer pair is specific to GAPDH on Chromosome 12 and does not show significant off-target amplification in the human genome.*