**HCLS1 ENSG00000180353**

**1461 nt**

ATGTGGAAGTCTGTAGTGGGCCATGATGTGTCTGTTTCCGTGGAGACCCAGGGTGATGATTGGGACACAGATCCTGACTTTGTGAATGACATCTCTGAAAAGGAGCAACGATGGGGAGCCAAGACCATCGAGGGGTCTGGACGCACAGAACACATCAACATCCACCAGCTGAGGAACAAAGTATCAGAGGAGCATGATGTTCTCAGGAAGAAAGAGATGGAGTCAGGGCCCAAAGCATCCCATGGCTATGGAGGTCGGTTTGGAGTAGAAAGAGACCGAATGGACAAGAGTGCAGTGGGCCATGAGTATGTTGCCGAGGTGGAGAAGCACTCTTCTCAGACGGATGCTGCCAAAGGCTTTGGGGGCAAGTACGGAGTTGAGAGGGACAGGGCAGACAAGTCAGCAGTCGGCTTTGATTATAAAGGAGAAGTGGAGAAGCACACATCTCAGAAAGATTACTCTCGTGGCTTTGGTGGCCGGTACGGGGTGGAGAAGGATAAATGGGACAAAGCAGCTCTGGGATATGACTACAAGGGAGAGACGGAGAAACACGAGTCCCAGAGAGATTATGCCAAGGGCTTTGGTGGCCAGTATGGAATCCAGAAGGACCGAGTGGATAAGAGCGCTGTCGGCTTCAATGAAATGGAGGCCCCGACCACAGCTTATAAGAAGACGACGCCCATAGAAGCCGCTTCTAGTGGTACCCGTGGGCTGAAGGCGAAATTTGAGTCCATGGCTGAGGAGAAGAGGAAGCGAGAGGAAGAGGAGAAGGCACAGCAGGTGGCCAGGAGGCAACAGGAGCGAAAGGCTGTGACAAAGAGGAGCCCTGAGGCTCCACAGCCAGTGATAGCTATGGAAGAGCCAGCAGTACCGGCCCCACTGCCCAAGAAAATCTCCTCAGAGGCCTGGCCTCCAGTTGGGACTCCTCCATCATCAGAGTCTGAGCCTGTGAGAACCAGCAGGGAACACCCAGTGCCCTTGCTGCCCATTAGGCAGACTCTCCCGGAGGACAATGAGGAGCCCCCAGCTCTGCCCCCTAGGACTCTGGAAGGCCTCCAGGTGGAGGAAGAGCCAGTGTACGAAGCAGAGCCTGAGCCTGAGCCCGAGCCTGAGCCCGAGCCTGAGAATGACTATGAGGACGTTGAGGAGATGGACAGGCATGAGCAGGAGGATGAACCAGAGGGGGACTATGAGGAGGTGCTCGAGCCTGAAGATTCTTCTTTTTCTTCTGCTCTGGCTGGATCATCAGGCTGCCCGGCTGGGGCTGGGGCTGGGGCTGTGGCTCTGGGGATCTCAGCTGTGGCTGTATATGATTACCAAGGAGAGGGAAGTGATGAGCTTTCCTTTGATCCGGACGACGTAATCACTGACATTGAGATGGTGGACGAGGGCTGGTGGCGGGGACGTTGCCATGGCCACTTTGGACTCTTCCCTGCAAATTATGTCAAGCTTCTGGAGTGA

Forward (398-418: 20 bp) Tm: 60.02

AGTCAGCAGTCGGCTTTGAT

Reverse（599-619: 20 bp）Tm: 60.07

TATCCACTCGGTCCTTCTGG

Product: 222 bp

produced by Primer3 (version 0.4.0)

GRCh38.p13 (Ensemble Genome Browser: release 100)