**Figure 2—figure supplement 1.** The sequences of GPC1-specific human CAR vectors.

hCAR-LH

ATGGCCTTACCAGTGACCGCCTTGCTCCTGCCGCTGGCCTTGCTGCTCCACGCCGCCAGGCCGGCTAGCACTCAGCCGTCCTCGGTGTCAGCAAACCCAGGAGAAACCGTCAAGATCACCTGCTCCGGGGGTAGCAGTGGCTATGCTTATGGCTGGTACCAGCAGAAGTCTCCTGGCAGTGCCCCTGTCACTCTGCTCTATAGCAACAACAACAGACCCTCGGACATCCCTTCACGATTCTCCGGTTCCAAATCCGGCTCCACAGCCACATTAACCATCACTGGGGTCCAAGCCGAGGACGAGGCTGTCTATTTCTGTGGGAGTGTAGACAGCAGCAGTTATGCTGGTATATTTGGGGCCGGGACAACCCTGACCGTCCTAGGCGGTGGCGGATCAGGTGGCGGTGGAAGTGGCGGTGGTGGGTCTGCGGTGACGTTGGACGAGTCCGGGGGCGGCCTCCAGACGCCCGGAAGAGCGCTCAGCCTCGTCTGTAAGGCCTCCGGGTTCACCTTCAGCCGTTACGCCATGTACTGGGTGCGACAGGCGCCCGGCAAGGGGCTGGAGTTCGTCGCTGGTATTGGCAACACTGGTAGATACACAGGCTACGGGTCGGCGGTGAAGGGCCGTGCCACCATCTCGAGGGACAGCGGGCAGAGCACAGTGAGGCTGCAACTGAACAACCTCAGGGCTGAGGACACCGGCAACTACTACTGCGCCAAAAGTGTTAGTCCTTACTGTTGTGATGCTGCTGACATCGACGCATGGGGCCACGGGACCGAAGTCATCGTCTCCTCCGCGGCCGCAATTGAAGTTATGTATCCTCCTCCTTACCTAGACAATGAGAAGAGCAATGGAACCATTATCCATGTGAAAGGGAAACACCTTTGTCCAAGTCCCCTATTTCCCGGACCTTCTAAGCCCTTTTGGGTGCTGGTGGTGGTTGGTGGAGTCCTGGCTTGCTATAGCTTGCTAGTAACAGTGGCCTTTATTATTTTCTGGGTGAGGAGTAAGAGGAGCAGGCTCCTGCACAGTGACTACATGAACATGACTCCCCGCCGCCCCGGGCCCACCCGCAAGCATTACCAGCCCTATGCCCCACCACGCGACTTCGCAGCCTATCGCTCCAGAGTGAAGTTCAGCAGGAGCGCAGACGCCCCCGCGTACCAGCAGGGCCAGAACCAGCTCTATAACGAGCTCAATCTAGGACGAAGAGAGGAGTACGATGTTTTGGACAAGAGACGTGGCCGGGACCCTGAGATGGGGGGAAAGCCGAGAAGGAAGAACCCTCAGGAAGGCCTGTACAATGAACTGCAGAAAGATAAGATGGCGGAGGCCTACAGTGAGATTGGGATGAAAGGCGAGCGCCGGAGGGGCAAGGGGCACGATGGCCTTTACCAGGGTCTCAGTACAGCCACCAAGGACACCTACGACGCCCTTCACATGCAGGCCCTGCCCCCTCGCTAA

hCAR-HL

ATGGCCTTACCAGTGACCGCCTTGCTCCTGCCGCTGGCCTTGCTGCTCCACGCCGCCAGGCCGGCGGTGACGTTGGACGAGTCCGGGGGCGGCCTCCAGACGCCCGGAAGAGCGCTCAGCCTCGTCTGTAAGGCCTCCGGGTTCACCTTCAGCCGTTACGCCATGTACTGGGTGCGACAGGCGCCCGGCAAGGGGCTGGAGTTCGTCGCTGGTATTGGCAACACTGGTAGATACACAGGCTACGGGTCGGCGGTGAAGGGCCGTGCCACCATCTCGAGGGACAGCGGGCAGAGCACAGTGAGGCTGCAACTGAACAACCTCAGGGCTGAGGACACCGGCAACTACTACTGCGCCAAAAGTGTTAGTCCTTACTGTTGTGATGCTGCTGACATCGACGCATGGGGCCACGGGACCGAAGTCATCGTCTCCTCCGGCGGTGGCGGATCAGGTGGCGGTGGAAGTGGCGGTGGTGGGTCTGCTAGCACTCAGCCGTCCTCGGTGTCAGCAAACCCAGGAGAAACCGTCAAGATCACCTGCTCCGGGGGTAGCAGTGGCTATGCTTATGGCTGGTACCAGCAGAAGTCTCCTGGCAGTGCCCCTGTCACTCTGCTCTATAGCAACAACAACAGACCCTCGGACATCCCTTCACGATTCTCCGGTTCCAAATCCGGCTCCACAGCCACATTAACCATCACTGGGGTCCAAGCCGAGGACGAGGCTGTCTATTTCTGTGGGAGTGTAGACAGCAGCAGTTATGCTGGTATATTTGGGGCCGGGACAACCCTGACCGTCCTAGCGGCCGCAATTGAAGTTATGTATCCTCCTCCTTACCTAGACAATGAGAAGAGCAATGGAACCATTATCCATGTGAAAGGGAAACACCTTTGTCCAAGTCCCCTATTTCCCGGACCTTCTAAGCCCTTTTGGGTGCTGGTGGTGGTTGGTGGAGTCCTGGCTTGCTATAGCTTGCTAGTAACAGTGGCCTTTATTATTTTCTGGGTGAGGAGTAAGAGGAGCAGGCTCCTGCACAGTGACTACATGAACATGACTCCCCGCCGCCCCGGGCCCACCCGCAAGCATTACCAGCCCTATGCCCCACCACGCGACTTCGCAGCCTATCGCTCCAGAGTGAAGTTCAGCAGGAGCGCAGACGCCCCCGCGTACCAGCAGGGCCAGAACCAGCTCTATAACGAGCTCAATCTAGGACGAAGAGAGGAGTACGATGTTTTGGACAAGAGACGTGGCCGGGACCCTGAGATGGGGGGAAAGCCGAGAAGGAAGAACCCTCAGGAAGGCCTGTACAATGAACTGCAGAAAGATAAGATGGCGGAGGCCTACAGTGAGATTGGGATGAAAGGCGAGCGCCGGAGGGGCAAGGGGCACGATGGCCTTTACCAGGGTCTCAGTACAGCCACCAAGGACACCTACGACGCCCTTCACATGCAGGCCCTGCCCCCTCGCTAA