

Human Plasma Gelsolin – Transcript Variant 7, optimized for Homologous Recombination

Length: 2467bp

Sequence:

cgaaattaatacgcactactagggagaccacaacggtttccctctagaataa tttggttaactttaagaaggagatacata ATGGA AAAACTTTTTGTTGCTTCCAAATAGCATGGTAGTCGAGCACCCCGAGTTCTTAAAGCGG
GAAAAGAGCCCGACTGCAAATCTGGCGTGTGAGAAAGTTGATCTTGTACCAGTACCGACAAATCTGTATGGCGACTTCTTACGGGGGATGCTTATGTGATCCTTAAAACGGTACAGCTTCGTAAACGGC
AACTTACAATACGACCTTCACTATTGGCTGGGCAACGAGTGTAGTCAAGATGAGAGTGGGGCCGACGCGATCTTACGGTACAATTGGATGATTATTTAAATGGGCGTGTCTTACGATCGTGAAGTTCA
GGGGTTCGAGTCGGCAACCTTTCTGGGCTATTTCAAGAGCGGTTTAAAATATAAAAAGGGCGGCGTAGCAAGCGGGTTCAAACACGTCGTGCCGAACGAAGTGGTTCGTTCAACGCCTTTCCAGGTGAAA
GGCCCGCGGTAGTTCGCGCGACCGAGGTTCCGGTGAGCTGGGAGTCATTCAATAACGGTGACTGCTTCATTCTGGACCTTGGAAATAACATTACCAATGGTGCAGGAGTAATAGTAATCGTTATGAGCG
TTTAAAGGCAACGCAAGTGAGCAAGGGGATCCGCGATAACGAACGTTCTGGTGTGCCGCGTGCATGTGTCGGAGGAGGGGACCGAACCCGAGGCTATGCTGCAAGTGCTGGACCCAAAGCCTGCCT
GCCGGCAGGTACAGAAGATACAGCCAAAGAGGATGCCGCGAATCGCAAGCTTGCCAAGTTATACAAAAGTTTAAACGGTGCAGGAACAATGTCCGTATCTTGTGGCAGATGAGAACCCTTTGCACAA
GGTGC GTTGAAGTCAGAGGACTGTTTTATTCTTGATCACGGTAAGGACGGCAAGATTTTCGTTTGAAAGGAAAACAGGCAAACACAGAAGAACGCAAAGCAGCTCTTAAGACAGCGAGTGATTTTCATCA
CTAAGATGGATTATCCAAACAGACCCAAGTAAGCGTCTTGCCGAAGGCGGTGAAACCCTCTGTTCAAGCAGTTTTTCAAACACTGGCGTGACCCAGATCAAACAGACGGGCTGGGATTGTCCTACTTA
TCAAGTCATATTGCAAATGTGGAACGTGTCCCGTTTGACGCTGCCACCCTGCATACTTCTACCGCCATGGCCGCTCAACACGGCATGGACGATGATGGTACTGGTCAAAGCAAATTTGGCGCATCGAGGG
GTCCAACAAGGTACCCAGTAGACCCTGCGACCTATGGCCAGTTCTATGGAGGGGATTCTTATATTATCCTGTATAACTACCGCCATGGAGGGCGCCAGGGTCAAATCATTTACAATTGGCAGGGGGCGCAGT
CGACGCAGGATGAAGTGGCTGCTTCAGCGATCTTGACCGCCAATTGGACGAGGAATTGGGTGGGACACCAGTTCAGTCCCGTGTGTCCAGGGCAAAGAGCCCGCGCATTTAATGTCGCTTTTCGGGGG
CAAGCCCATGATCATTATAAGGGAGGGACTTCCCGCAAGGAGGCCAAACCGCGCAGCTTCTACTCGTTTATTCAGGTCGCGCTAATTCTGCCGGGCAACACGCGCAGTGAAGTGTGCCAAAAG
CAGGAGCCTTGAACGACGATGCATTTGTGTTAAAACGCCGTCAGCTGCATACCTTTGGGTAGGAAGTGGAGCATCTGAAGCGGAGAAAACCGCGCCAGGAGTTATTGCGCGTACTTCGTGCTCA
GCCAGTTCAAGTGGCAGAGGGTTCTGAACCGATGGATTTTGGGAAGCTTTGGGGGGGAAAGGCAGCTTATCGTACGTCGCCGCGCTTAAAGGATAAAAAGATGGACGCCACCCACCACGTTTGTTCGCG
TGCTCTAACAAAGATCGGACGCTTTGTGATCGAAGAGGTCGCCGGGGAGTTGATGCAGGAAGATCTTGCCACAGACGACGTCATGCTTCTGGATACTGGACCAAGTGTTCGTTTGGGTGGGCAAGATT
CGCAAGAGGAAGAAAAGACAGAAGCTTTGACTTCTGCAAAACGTTACATCGAAACGGATCCCGCAAATCGTGACCGCCGACTCCGATTACTGTGGTGAAGCAGGGCTTCGAGCCTCCGAGCTTTGTTGG
ATGGTTTTTAGGATGGGATGACGATTACTGGTCCGTGCACCCGTTAGATCGTCCATGGCTGAATTAGCAGCG catcaccatcaccatcactaactagcataacccttggggccttaaacgggtcttgaggggtttttg-ggaccag
attatcgctaagtacgcaatggccacggtggtcttcgccagaagctgctgtgcagtggtttcaaagtggagtaa



- 1-86bp and 2382-2467bp Homologous Recombination Site: Sequence homologue to Major Capsid Protein 10
- 7-25bp T7 promoter
- 59-79bp Ribosome Binding Site
- 2313-2330bp His-Tag
- 2331-2333bp T7 Stop
- 2334-2381bp T7 Terminator
- 87-2312bp Human Plasma Gelsolin