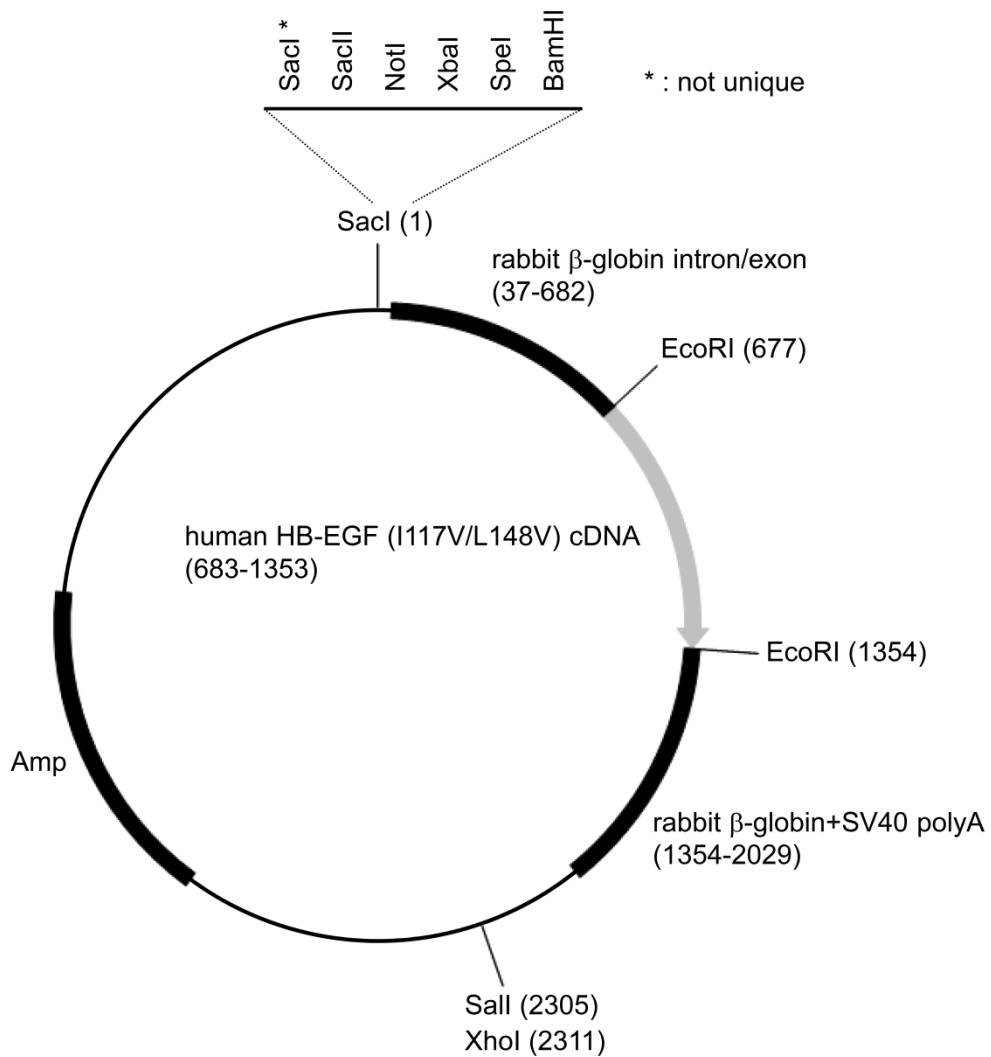


## Mutant human Diphtheria Toxin Receptor cDNA

(Code No. PLD05)

Plasmid Information



SEQUENCE:

GAGCTCCACCGCGGTGGCGGCCGCTCTAGAAGTAGTGGATCC TGAGAACTTCAGGGTGA  
GTTTGGGGACCCTTGATTGTTCTTTCTTTTCGCTATTGTAAAATTCATGTTATATGGA  
GGGGGCAAAGTTTTTCAGGGTGTGTTTAGAATGGGAAGATGTCCCTTGTATCACCATGG  
ACCCTCATGATAATTTTGTTTCTTTCACTTTCTACTCTGTTGACAACCATTGTCTCCTC  
TTATTTTCTTTTCATTTTCTGTAACTTTTTCGTAAACTTTAGCTTGCATTTGTAACGA  
ATTTTTAAATTCACTTTTGTATTGTCAGATTGTAAGTACTTTCTCTAATCACTTTT  
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ATTCTTATTGGTAGAAACAACACTACATCCTGGTCATCATCCTGCCTTTCTCTTTATGGTT  
ACAATGATATACACTGTTTGAGATGAGGATAAAAATACTCTGAGTCCAAACCGGGCCCCCT  
CTGCTAACCATGTTTCATGCCTTCTTCTTTTTCTACAGCTCCTGGGCAACGTGCTGGTT  
ATTGTGCTGTCTCATTTTTGGCAAAGAATTCTCGAAAGTGAAGTGGTGCCTCGCCGCC  
TCCTCTCGGTGCGGGACCATGAAGCTGCTGCCGTCGGTGGTGTGAAGCTCTTTCTGGC  
TGCAGTTCTCTCGGCACTGGTGAAGTGGCGAGAGCCTGGAGCGGCTTCGGAGAGGGCTAG  
CTGCTGGAACCAGCAACCCGGACCTCCCACTGTATCCACGGACCAGCTGCTACCCCTA  
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AGTCACTTTATCCTCCAAGCCACAAGCACTGGCCACACCAACAAGGAGGAGCACGGGA  
AAAGAAAGAAGAAAGGCAAGGGGCTAGGGAAGAAGAGGGACCCATGTCTTCGAAATAC  
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CATCTGCCACCCGGGTTACCATGGAGAGAGGTGTCATGGGCTGAGCGTGCCAGTGGAAA  
ATCGCTTATATACCTATGACCACACAACCATCCTGGCCGTGGTGGCTGTGGTGTGTCA  
TCTGTCTGTCTGCTGGTTCATCGTGGGGCTTCTCATGTTTAGGTACCATAGGAGAGGAGG  
TTATGATGTGAAAATGAAGAGAAAGTGAAGTTGGGCATGACTAATTCCTACTGAGAAT  
TCACTCCTCAGGTGCAGGCTGCCTATCAGAAGGTGGTGGCTGGTGTGGCCAATGCCCTG  
GCTCACAAATACCACTGAGATCTTTTTCCCTCTGCCAAAATTATGGGGACATCATGAA  
GCCCCCTGAGCATCTGACTTCTGGCTAATAAAGGAAATTTATTTTCATTGCAATAGTGT  
GTTGGAATTTTTTGTGTCTCTCACTCGGAAGGACATATGGGAGGGCAAATCATTTAAAA  
CATCAGAATGAGTATTTGGTTTAGAGTTTGGCAACATATGCCCATATGCTGGCTGCCAT  
GAACAAAGGTTGGCTATAAAGAGGTCATCAGTATATGAAACAGCCCCCTGCTGTCCATT  
CCTTATCCATAGAAAAGCCTTGACTTGAGGTTAGATTTTTTTTATATTTTGTTTTGTGT  
TATTTTTTTCTTTAACATCCCTAAAATTTTCTTACATGTTTTTACTAGCCAGATTTTTCT  
CTCCTCTCCTGACCACTCCCAGTCATAGCTATCCCTCTTCTCTTATGGAGATCTTATTA

AAGCAGAACTTGTTTATTGCAGCTTATAATGGTTACAAATAAAGCAATAGCATCACAAA  
TTTCACAAATAAAGCATTTTTTTTCACTGCATTCTAGTTGTGGTTTGTCCAAACTCATCA  
ATGTATCTTATCATGTCTGGATCGATCCTCTACGCCGGACGCATCGTGGCCGGCATCAC  
CGGCGCCACAGGTGCGGTTGCTGGCGCCTATATCGCCGACATCACCGATGGGGAAGATC  
GGGCTCGCCACTTCGGGCTCATGAGCGCTTGTTCGGCGTGGGTATGGTGGCAGGCCCC  
GTGGCCGGGGACTGTTGGGCGCCATCTCCTTGCATGCACCATTCCCTTGCGGCGGCGGT  
GCTCAACGGCCTCAACCTACTACTGGGCTGCTTCCTAATGCAGGAGTCGCATAAGGGAG  
AGCGTCGACCTCGAGGGGGGGCCCGGTACC-----

Blue indicates multi cloning site.

Green indicates mutant human HB-EGF cDNA.

The start codon (ATG) and stop codon (TGA) of HB-EGF are indicated by underline.

Red shows mutation site (I117V and L148V).

Purple indicates *Sa*I and *Xho*I recognition site.