

Custom Gene Synthesis Project Report

FIVEphoton Biochemicals: Order ID:W627; Clone ID:K5610-1

FIVEphoton.com website link to gene synthesis:

http://fivephoton.com/index.php?route=product/category&path=37_62

Customer: J. Smith
 Institution /Company: Addexal Pharmaceuticals, Inc
 Date: 2/23/2012

Gene Synthesis Project Summary. The customer requested synthesis of the gene sequence listed below and requested that it should be subcloned into the standard expression vector pET-19b. This report summarizes the result of gene synthesis. The customer was provided 4 mg of lyophilized plasmid with the inserted synthesized gene.

QC Items	Specifications	Results
Sequencing Alignment	Sequencing results are consistent with the target	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Vector Sequence	The flanking sequences of the cloning site are correct	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Reading Frame	<input checked="" type="checkbox"/> Not requested <input type="checkbox"/> Correct and consisted with client's requirement	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Restriction Digests	The size of inserted fragment is correct. No other bands are visible.	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
PCR Amplification	Correct. Other bands not visible.	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
DNA Quality	<input checked="" type="checkbox"/> Miniprep: 5 ug/tube <input type="checkbox"/> Maxiprep: 20 ug/tube OD _{260/280} =1.8~2.0 No any contamination	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Appearance	Clear, no foreign particles	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Orientation	T7-gene-T7-TER		
Gene Name:	W627		
Gene ID:	W3126		
Order Date:	2/3/12		
Shipping Date:	2/15/12		
Gene length:	1507		
Vector:	pET-19b	Cloning Site:	NdeI/BamHI
Sequencing No.:	4		
Final Form:	1 x 5ug as lyophilized DNA powder		

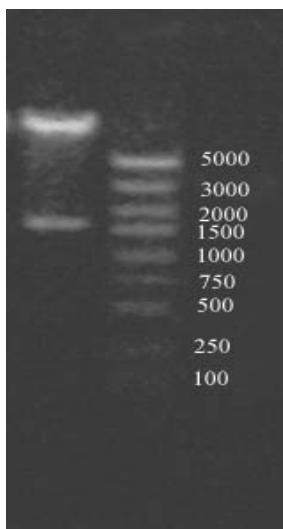
Note:

Plasmid-DNA was isolated from an E.coli strain containing methylases, therefore methylation-sensitive restriction enzymes are blocked.

DNA Sequencing Results

Sequencing showed correct sequences of the synthesis product.

Gel Analysis:

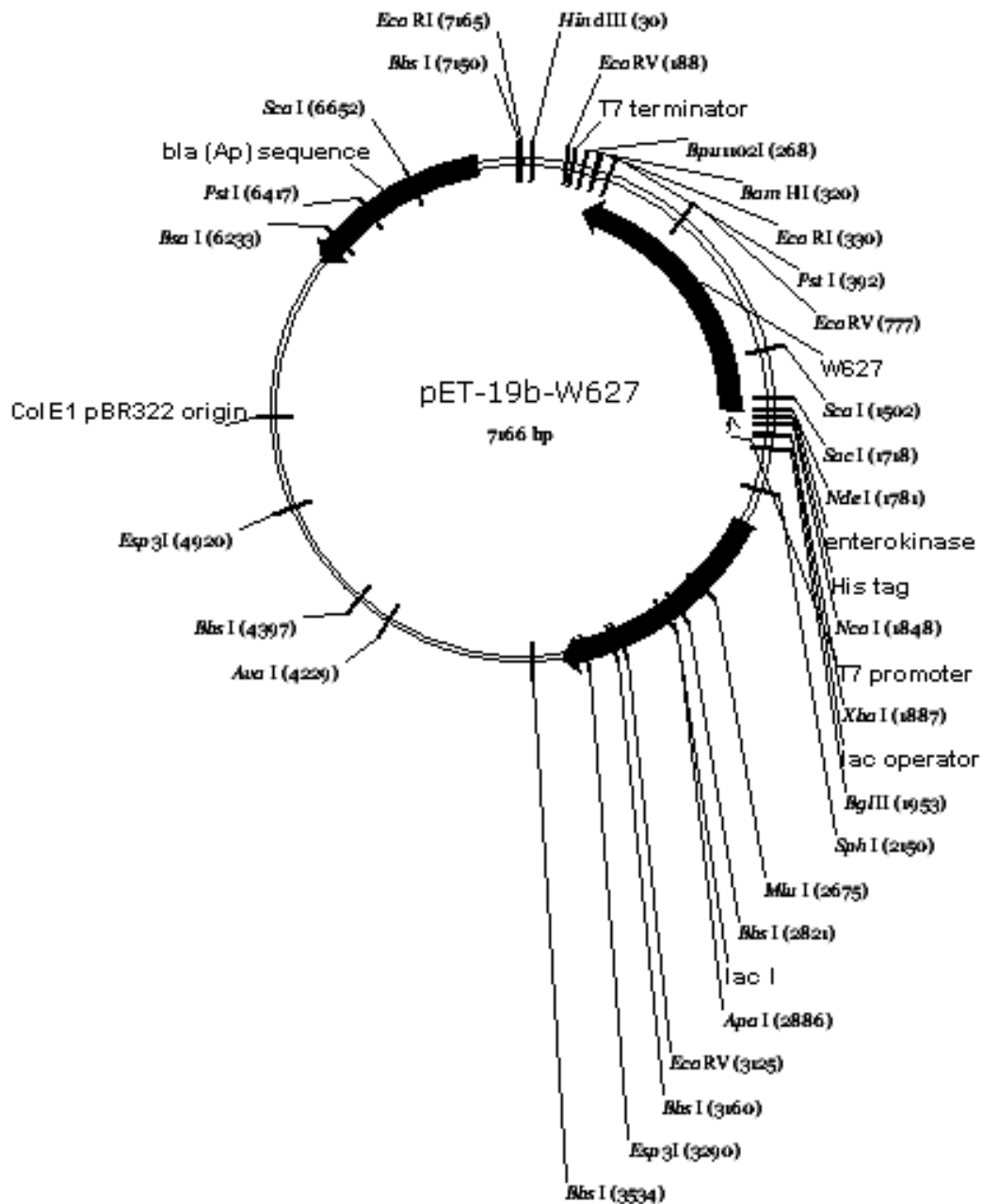


Gene name: W627
Clone ID#:K5610-1

RES: NdeI/BamHI

Vector Map pET-19b:

Project Cloning Site: **NdeI/BamHI**



Construct Sequence

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1   TTCTCATGTT TGACAGCTTA TCATCGATAA GCTTTAATGC GGTAGTTTAT CACAGTTAAA
61  TTGCTAACGC AGTCAGGCAC CGTGTATGAA ATCTAACAAT GCGCTCATCG TCATCCTCGG
121 CACCGTCACC CTGGATGCTG TAGGCATAGG CTTGGTTATG CCGGTACTGC CGGGCCCTCTT
181 GCGGGATATC CGGATATAGT TCCTCCTTTC AGCAAAAAAC CCCTCAAGAC CCGTTTATAGAG
241 GCCCAAGGG GTTATGCTAG TTATTGCTCA GCGGTGGCAG CAGCCAACTC AGCTTCCTTT
301 CGGGCTTTGT TAGCAGCCGG ATCCTTACGA ATTCATTATT CAAAGCTGAT CGTCTGGTCA
361 FTTTCCGTAA CGCGATACGT CATATCCTGC AGATTAATTT CCGCTTTCGC AATATGAGAA
421 CCATCTTTGT TCTGGCGTTC GATCACAATC GTCGCTTCAT TCGGGGTTTC AACTTCAATG
481 CGCCCATCCA GGTCAAATGC TGCGCTCTGA TTGCGATAGG TAAACAGATT AAGCAGTGCT
541 TTCACAACCG GACGTTTCAC TTCTTTCGCG ATTTCTTCCG AGCTATAATA ATGACGGTTG
601 ATGTTGCGAC CTTCTTTCGT GCTTTCAGC AGTTCAGGT CGTTTTTCCC CGCCAGAAAAC
661 CCAACATAAT ACACCTGCGG GATACCAGGG GCAAACGCCT GGATCAGGCG GGCCAGAAAA
721 TATTTCTGAT CATCATCACC CAGGGCCGAA TAATAGGTAC TATTAATCTG ATAGATATCC
781 AGGTTGTTAT ATTCCGCGGT GGAGTATTTG CGATTCACGT TCGCTCCCAC TTTGTACAGT
841 TCATTCGACG TATAGGTAAT TTCCTCATCG GTCAAAATAT CTTTACAGTC TACTACGCCG
901 ATCCGATCAT GCGTATCCAA TGTGTGAAT TGTTCATCG GCGACATTTT CAACCATTTT
961 GCGAGCGAT CTACTTTGCC GGAGTACAGA GAATACAAGG TGACCATCGG GACCGTAAAA
1021 TCATACAGCT AATAACCGTG ATCCGCAATT TTGAATTGGA TGGTGTAGTG CTCATGAATC
1081 TCCGGAAGAA TCTCAGCACC GGACACCGCG GCAATATCAC GGACTTTGTC TAACAGGGTC
1141 CAAATTTCCG GTTCAACGAA AAAGTCATTA GTATCCAATT TTTTCACTGC ATACGCAAAT
1201 GCGTCCAGAC GGATAAGGTC GCAACCATTA GCCGCTAAGT TTTGATGGT ACTGCGGATA
1261 AAATCCATAG TTACCTCTTT TGTGACATCG AGGTCAATTT GTTCTCGCC GAAGGTAGAC
1321 CAGAGATGTT CCACGCTGCC ATCGGCGAAG CGAATTTCTT GCATTGGGGC ACGATCTTTA
1381 CGCTTGTTAGA TCAGGTCTAA ATCTTCTTGA GTCGGGCGGT TTTTCGGCCA GAACTTGTCC
1441 CAATTCAAAA ATAAATCCTT ATAGGCACTG GCCTCATGCT TCTCCTGATA ATCCTTATAG
1501 TACTTGCTTT GACGTGAAAT GTGATTAATC ATGAAATCAA ACATGAGATA GTGCTTCTCG
1561 CCCAACCGTT TAACATCATC CCAGTCGCCA AACGCTGGAT CAACCTCGTG ATAGTCGATA
1621 GGAGCAAAGC CCCGATCTCC CGATGATGGG AAAAACGGAA GTAAATGGAC CCCGCCGACG
1681 GCATCTCCAA AGTAATTCTC AATGTTCTCA TTGAGCTCTT TAAGATTCTT ACCGAGACTG
1741 TCAGCGTAGG TAATTAACAT AGTTTTGTTG GTGATAGGCA TATGCTTGTC GTCGTCGTCG
1801 ATATGGCCGC TGCTGTGATG ATGATGATGA TGATGATGAT GATGGCCCAT GGTATATCTC
1861 CTTCTTAAAG TTAAACAAAA TTATTTCTAG AGGGGAATTG TTATCCGCTC ACAATTCCCC
1921 TATAGTGAGT CGTATTAATT TCGCGGGATC GAGATCTCGA TCCTCTACGC CGGACGCATC
1981 GTGGCCGGCA TCACCGGCGC CACAGGTGCG GTTGCTGGCG CCTATATCGC CGACATCACC
2041 GATGGGGAAG ATCGGGCTCG CCACTTCGGG CTCATGAGCG CTTGTTTTCGG CGTGGGTATG
2101 GTGGCAGGCC CCGTGGCCGG GGGACTGTTG GGCGCCATCT CTTGTCATGC ACCATTCTTT
2161 GCGGCGGCGG TGCTCAACGG CCTCAACCTA CTAAGGGCT GCTTCCTAAT GCAGGAGTCG
2221 CATAAGGGAG AGCGTCGAGA TCCCGGACAC CATCGAATGG CGCAAAACCT TTCGCGGTAT
2281 GGCATGATAG CGCCCGGAAG AGAGTCAATT CAGGGTGGTG AATGTGAAAC CAGTAACGTT
2341 ATACGATGTC GCAGAGTATG CCGGTGTCTC TTATCAGACC GTTTCCCGCG TGGTGAACCA
2401 GGCCAGCCAC GTTTCTGCGA AAACGCGGGA AAAAGTGGAA GCGGCGATGG CCGAGCTGAA
2461 TTACATTCCC AACCAGGTGG CACAACAAC TGGCGGCAAA CAGTCGTTGC TGATTGGCGT
2521 TGCCACCTCC AGTCTGGCC TGCACGCGCC GTCGCAATT GTCGCGGCGA TTAAATCTCG
2581 CGCCGATCAA CTGGGTGCCA GCGTGGTGGT GTCGATGGTA GAACGAAGCG GCGTCAAGC
    
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2641 CTGTAAAGCG GCGGTGCACA ATCTTCTCGC GCAACGCGTC AGTGGGCTGA TCATTAACTA
2701 TCCGCTGGAT GACCAGGATG CCATTGCTGT GGAAGCTGCC TGC ACTAATG TTCCGGCGTT
2761 ATTTCTTGAT GTCTCTGACC AGACACCCAT CAACAGTATT ATTTTCTCCC ATGAAGACGG
2821 TACGCGACTG GCGGTGGAGC ATCTGGTTCG ATTGGGTAC CAGCAAATCG CGCTGTTAGC
2881 GGGCCATTA AGTTCTGTCT CGGCGCGTCT GCGTCTGGCT GGCTGGCATA AATATCTCAC
2941 TCGCAATCAA ATTCAGCCGA TAGCGGAACG GGAAGGCGAC TGGAGTGCCA TGTCCGGTTT
3001 TCAACAAACC ATGCAAATGC TGAATGAGGG CATCGTTCCT ACTGCGATGC TGGTTGCCAA
3061 CGATCAGATG GCGCTGGGCG CAATGCGCGC CATTACCGAG TCCGGGCTGC GCGTTGGTGC
3121 GGATATCTCG GTAGTGGGAT ACGACGATAC CGAAGACAGC TCATGTTATA TCCC GCCGTT
3181 AACCACCATC AAACAGGATT TTCGCTGCT GGGGCAAACC AGCGTGGACC GCTTGCTGCA
3241 ACTCTCTCAG GGCCAGGCGG TGAAGGGCAA TCAGCTGTTG CCCGTCTCAC TGGTGAAAAG
3301 AAAAAACCACC CTGGCGCCCA ATACGCAAAC CGCCTCTCCC CGCGCGTTGG CCGATTCAAT
3361 AATGCAGCTG GCACGACAGG TTTCCC GACT GGAAAGCGGG CAGTGAGCGC AACGCAATTA
3421 ATGTAAGTTA GCTCACTCAT TAGGCACCGG GATCTCGACC GATGCCCTTG AGAGCCTTCA
3481 ACCCAGTCAG CTCCTTCCGG TGGGCGCGGG GCATGACTAT CGTCGCCGCA CTTATGACTG
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3781 CGCGAGGCTG GATGGCCTTC CCCATTATGA TTCTTCTCGC TTCCGGCGGC ATCGGGATGC
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3901 GATCGCTCGC GGCTCTTACC AGCCTAACTT CGATCACTGG ACCGCTGATC GTCACGGCGA
3961 TTTATGCCGC CTCGGCGAGC ACATGGAACG GFTTGGCATG GATTGTAGGC GCCGCCCTAT
4021 ACCTTGCTTG CCTCCCCGCG TTGCGTTCGCG GTGCATGGAG CCGGGCCACC TCGACCTGAA
4081 TGGAAGCCGG CGGCACCTCG CTAACGGATT CACCCTCCA AGAATTGGAG CCAATCAATT
4141 CTTGCGGAGA ACTGTGAATG CGCAAACCAA CCCTTGGCAG AACATATCCA TCGCGTCCCG
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4321 GCAGAATGAA TCACCGATAC CGGAGCGAAC GTGAAGCGAC TGCTGCTGCA AAACCTCTGC
4381 GAACCTGAGCA ACAACATGAA TGGTCTTCGG TTTCCGTGTT TCGTAAAGTC TGGAACCGCG
4441 GAAGTCAGCG CCCTGCACCA TTATGTTCCG GATCTGCATC GCAGGATGCT GCTGGCTACC
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4561 CTGGTCCC GC CATCCATA CCGCCAGTTG TTTACCCTCA CAACGTTCCA GTAACCGGGC
4621 ATGTT CATCA TCAGTAACCC GTATCGTGAG CATCCTCTCT CGTTTCATCG GTATCATTAC
4681 CCCCATGAAC AGAAATCCCC CTTACACGGA GGCATCAGTG ACCAAACAGG AAAAAACCGC
4741 CCTTAACATG GCCCGCTTTA TCAGAAGCCA GACATTAACG CTTCTGGAGA AACTCAACGA
4801 GCTGGACGCG GATGAACAGG CAGACATCTG TGAATCGCTT CACGACCACG CTGATGAGCT
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7141 TCACGAGGCC CTTTCGTCTT CAAGAA
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