

24 January 2020

Sales Order Number **16580785**

Customer Name - Jacob Cram

Reference Number **264468063**

Name - LC140931.1 Synthetic 16s Spike In

gBlocks® Gene Fragments 1525 base pairs

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5' - AAA TTG AAG AGT TTG ATC ATG GCT CAG ATT GAA CGC TGG CGG CAG GCC TAA CAC ATG CAA GTC GAA CGG
TTT GCC ACA GAT ACG TAC CGC TCA TAA CGC GAA CCG AAG CGC AGT AGA AGT ACT CCG TAT CCT ACC TCG GTC
GTG GTT TAG GCT ATC GAC ATC TTG CAT GGG CTT CCC TAG TGA ACT CTT GGG ATG TAT GGT ACA CTG GTG TAA
GAC ATC AGA CAA CGA ACG CTA ACT ATC CTG CAA CAC TCC GGA AGT CTA CTA GTC GCC GAC GCG ATA CGA AAC
TTC GGA GTG CTA TTG TGC GTA CCA GAT CCA GTA TCA CTG AGA CAC GGT CCA GAC TCC TAC GGG AGG CAG CAG
TGG GGA ATA TTG CAC AAT GGG CGC AAG CCT GAT TAC TAG CTT CGT TTC CCA CCA GGA TAG TTA GGA GTG CCG
ACC CGT TAT AGA AGT GCA GTG TCC TTT CTC TGC ACT CGA GTT AAG TCG ACA AGT CCT CTT ACG CTA GGA CTC
ACC GGC TAA CTC CGT GCC AGC AGC CGC GGT AAT ACG GAG GGT GCA AGC GTT AAT CCG AAT TAC TGG GCG TAA
AGG GCA CGC AGG CGG TTC ATC GCG AGG CTT TAT ACG AGG CAC CAA ATA AGC ACC GTA ATA AGT GAG TCC CGC
GGC CTT ATT TTG CTG CAG TAT AGC TAC TAT AGC GTA GGG ATC GAT ATC AGC TAT ACC TAG ATG AGA GCC CAT
TTC CGC TCG ATA TAC CTA GGG ACA CGT AGA TGT ACT ATT TCG GCG ACT TGG ATG TGG GGA GCA AAC AGG ATT
AGA TAC CCT GGT AGT CCA CGC CGT AAA CGA TCT ACC ACA TCA GGC ACT TGG CTA TGA AGA CTG CGT AAG CCA
TTT AGA GTT CGG GCT CCT TCT AAG GCT TAG CAG GCC GCA AGG TTA AAA CTC AAA TGA ATT GAC GGG GGC CGC
ACA AGC GGT GGA GCA TGT GGT TTA ATT CGA TGC AAC GCG AAG AAC CTT ACC TGG TCT CAG TGA AAG GGA TGT
GCT TGA TAC CGT GGG TAC TCT CGC GTC TGT AGA GGA GAC AGG TGC TGC ATG GCT GTC GTC AGC TCG TGT TGT
GAA ATG TTG GGT TAA GTC CCG CAA CGA GCG CAA CCC TTA TCC TGT AAC CGA TTA ACT TCC ACA TGA ATA ACC
ACG CCC GAT TAA AGT GCG GCG CAT TTC AGA AAG GCG ACT AGA TCG ACG TGT . . . -3'

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**Note 1:** The sequence information of the sense strand displayed above is intentionally truncated to the first 1,200 bases. The complete sequence can be verified in FASTA format in your order history.

**Note 2:** gBlocks® Gene Fragments are delivered as double-stranded DNA. Conformance to quality standards is established in multiple ways, including size verification by capillary electrophoresis and sequence identification by mass spectrometry.

## Properties

Length: 1525  
Amount Delivered: 1000ng  
GC Content: 51.34%  
Molecular Weight: 942191.5  
fmoles/ng: 1.06  
µg/OD<sub>260</sub>: 50  
Normalization 1000ng = 1061fmol, dried

## Instructions

Dried contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the gBlocks® Gene Fragments.

### Resuspending your gBlocks® Gene Fragments

1. Prior to opening, centrifuge the tube at a minimum of 3000 x g to ensure that the material is at the bottom of the tube.
2. Add TE to reach a final concentration of 10ng/µL.
3. Vortex briefly.
4. Incubate at 50°C for 20 minutes.
5. Briefly vortex and centrifuge.

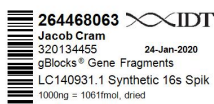
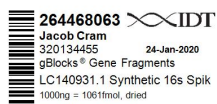
### Amplifying your gBlocks® Gene Fragments

\*For gBlocks® Gene Fragments ≤1kb, amplification can be performed using a high fidelity polymerase. To avoid sequence mutations due to amplification errors limit cycles to 12 or fewer.  
\*For gBlocks® Gene Fragments >1kb, we do not recommend amplification.

For additional information please see [www.idtdna.com/gblockssupport](http://www.idtdna.com/gblockssupport) or contact [genes@idtdna.com](mailto:genes@idtdna.com)

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