



Oligo Synthesis Resource

New Service

Custom clones at your fingertips: Custom synthesis and clone construction



BioXp™ 3200 System

- Double Stranded DNA
- Custom Clones
- Libraries



Clone BioXp™ Tiles directly into your vector

BioXp™ 3200 System:

- Delivers workflow control in obtaining DNA or clones
- Streamlines your genomic processing
- Offers flexibility with multiple applications
- Expands your scientific capacity to accelerate discovery
- Provides faster turnaround than conventional methods

Interested? Please Contact:

Joseph Deluca	Yale Oligo Resource Director	oligos@yale.edu
Jesse Reinhart	Yale Faculty Advisor	jesse.reinhart@yale.edu
Jennifer Elliott	SGIDNA Yale Support	jelliott@sgidna.com

<https://medicine.yale.edu/keck/oligo/>

<https://sgidna.com/bxp3200.html>

BioXp Ordering Instructions

Contact customerservice@sgidna.com for access to BioXp portal

Step 1: Check sequence eligibility

<https://portal.sgidna.com/complex.php>

- Click link above to check sequences. Green means they are eligible. Red means we detected complexity and sequences are less likely to build properly. You may have to pick more clones to find an error free.
- Notes for red sequences:
 1. Complexity due to length - slightly too long (1800bp-2000bp) or slightly too short (350bp-400bp). These will show up as red, but still possible to build on BioXp. Please submit, we will review.
 2. Complexity due to high/low GC% - Please submit, we will review. We can try alternate protocols.
 3. Complexity due to repeats –unlikely to build, please email customerservice@sgidna.com and ask for codon optimization

Step 2: Create/Login to your account

- Go to www.sgidna.com (upper right corner link) to create/login to your account
- If you get an error message saying you do not have access, contact customerservice@sgidna.com
- Click “BioXp custom reagents” to enter BioXp portal

SGIDNA 
A Synthetic Genomics, Inc. Company

Ordering Portal

What would you like to order?

Gene Synthesis Services

Gibson Assembly® Reagents

BioXp™ Tips and Accessories

BioXp™ Custom Reagents

Check BioXp™ Fragment Complexity

Be sure to [read our privacy policy](#)



Step 3: Place your order

Enter project title, Upload your FASTA file, select product type

[Account](#) [Help](#)

Begin new order

Project Title:

FASTA File: No file chosen
Provide your desired sequences by uploading a fasta file or text file.
[Need help with building your fasta file? See our fasta guidelines.](#)

Shipping Address:

Notes:

Product Type:

BioXp™ Tiles, True ends: DNA fragments, exactly as you ordered them (no modifications)
BioXp™ Tiles, GA ends: DNA fragments with added Gibson-ready (GA) terminal sequences
pUCGA 1.0 Cloning: BioXp™ Tiles built and cloned directly into the pUCGA 1.0 vector

Step 4: Select sequences you need made

Home Orders Account Help

Sequence Information
[Click here to view Fasta file](#) (opens in new tab/window) [Make all sequences](#)

Name	Comment	Length	Make this sequence?
gi 47564063 ref NM_001001156.1 Bos taurus ADAM metalloproteinase domain 12 (ADAM12), mRNA	Warning: High complexity	910	No <input type="checkbox"/>
gi 157461100 gb EF987755.1 Mellivora capensis cytochrome b (cytb) gene, complete cds; mitochondrial	Warning: High complexity	1140	No <input type="checkbox"/>
gi 2598490 emb AJ222563.1 Homo sapiens mRNA for IgG, clone GE1	Warning: High complexity	404	No <input type="checkbox"/>
gi 1002047703 gb KU739041.1 Rabies virus isolate G_6665BOT-2009 glycoprotein (G) gene, complete cds		1575	Yes <input checked="" type="checkbox"/>
gi 386685155 dbj AB564070.1 Mellivora capensis APOB gene for apolipoprotein B, partial cds	Warning: High complexity	948	Yes <input checked="" type="checkbox"/>
Warning: This sequence is outside of our BioXp complexity guidelines and has a lower chance of successful assembly.			
gi 386685157 dbj AB564071.1 Mellivora capensis BRCA1 gene for early-onset breast cancer type 1 susceptibility protein,		1049	Yes <input checked="" type="checkbox"/>

- Click “Make all sequences” if you choose to order the red sequences
- Select proceed
- Enter your PO
- Select submit

- You will receive confirmation from customerservice@sgidna.com
- Expect to receive your plate within 3-5 business days