Horizon Discovery Biosciences Limited PunchOut End User Overview

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# Benefits of PunchOut

- Quicker and simpler order processing

- Elimination of order entry errors

- Improved communication with optional automatic order, change, and ship notifications

- Increased invoice accuracy with optional electronic invoicing

- Integrate with procurement platform for budgeting and costing

- Reduce workload for procurement agents and buyers

- Purchase configurable products such as custom libraries, designs, and synthesis

Punchout Setup

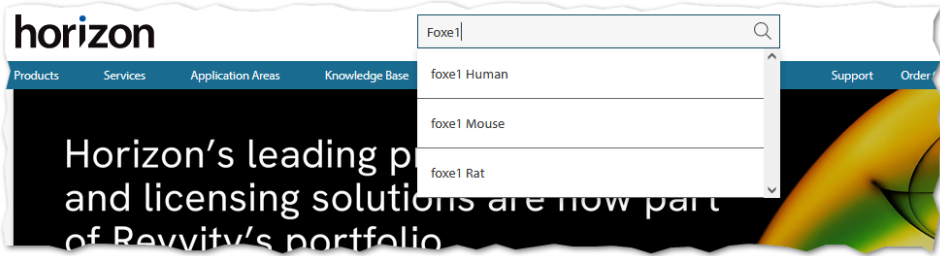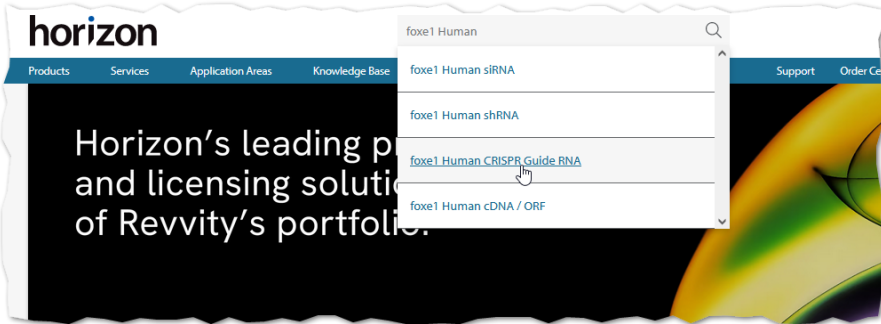## From your procurement system, click logo to initiate session
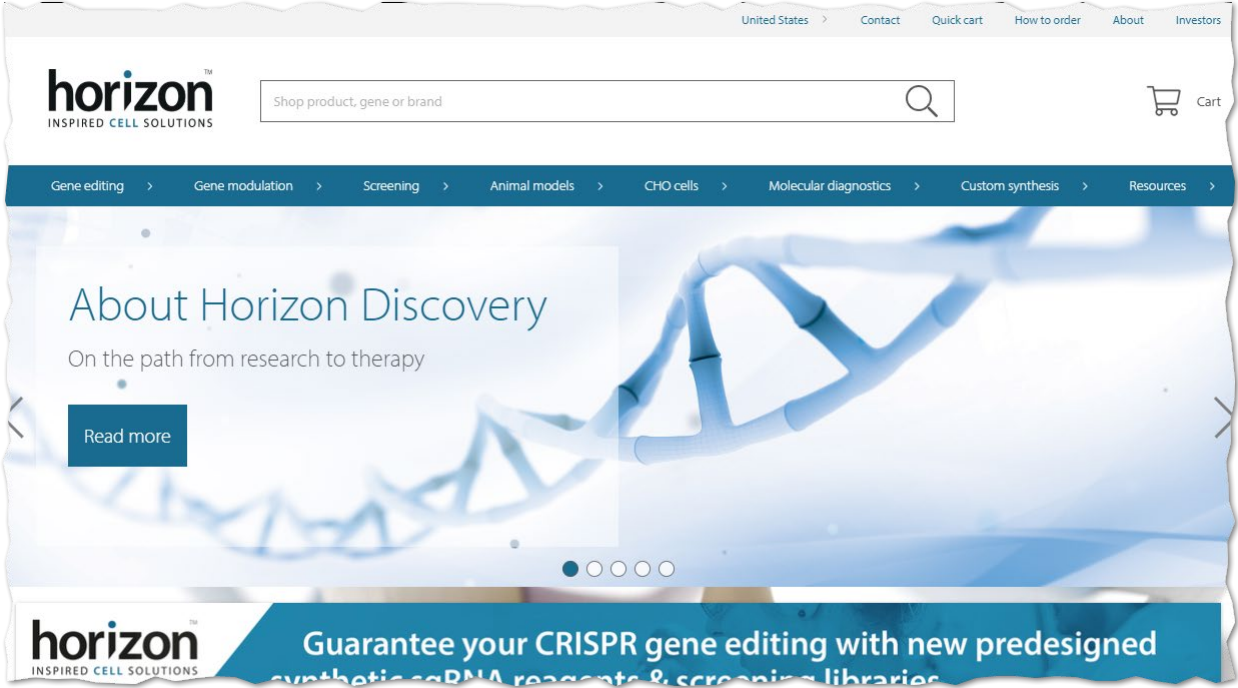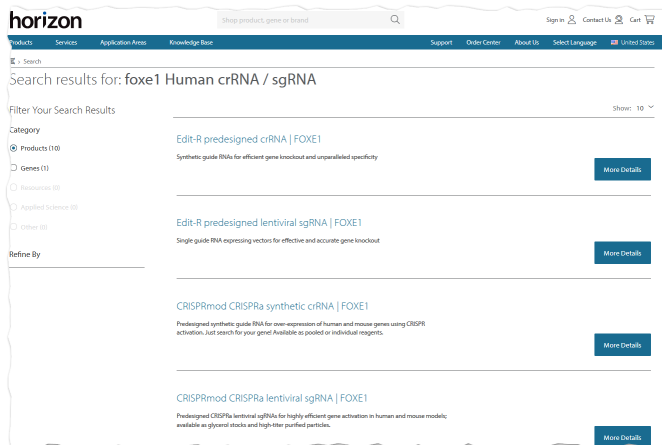
Search
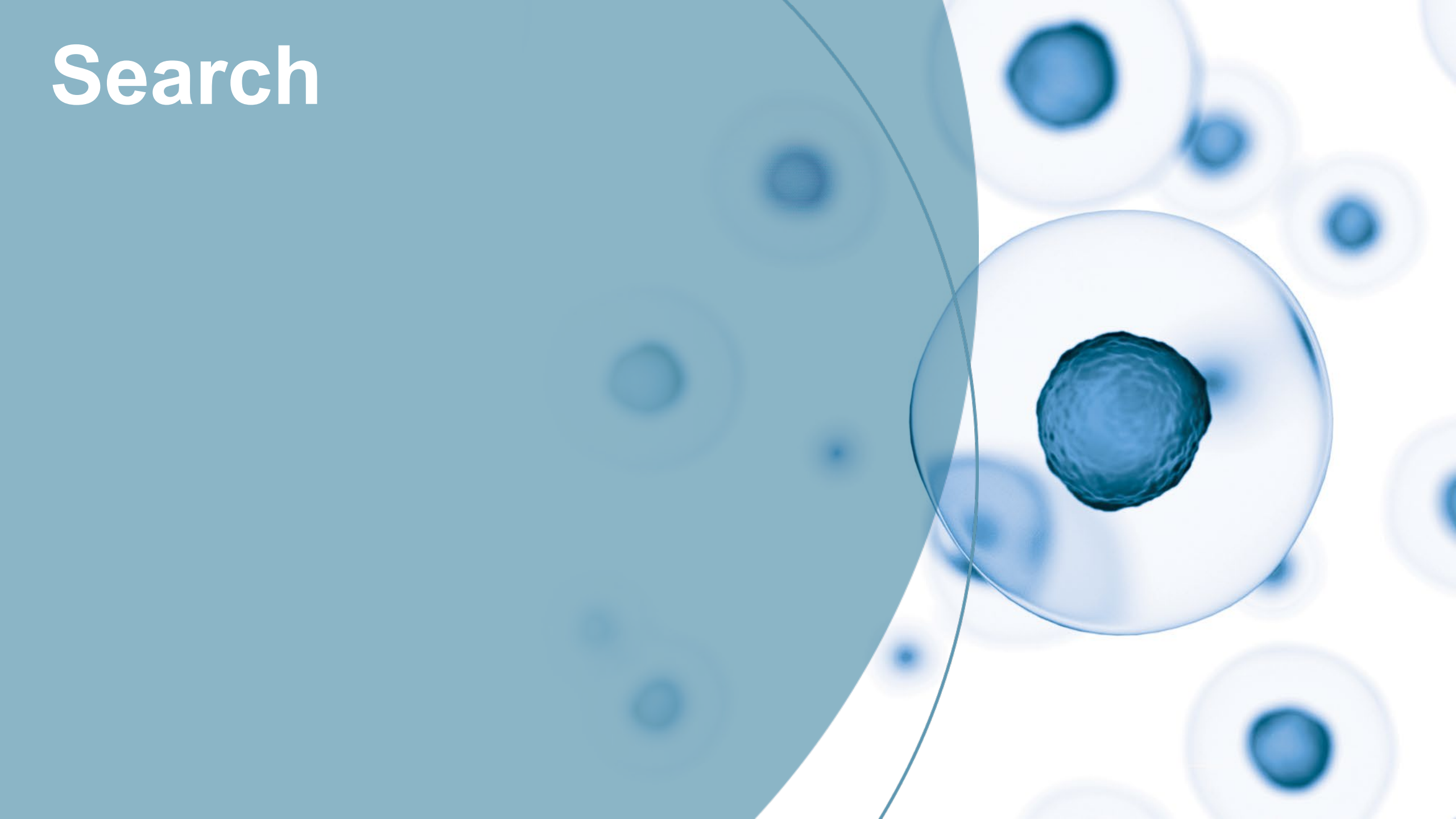
Suggested Search

Suggested search in drop-down menu

1

2

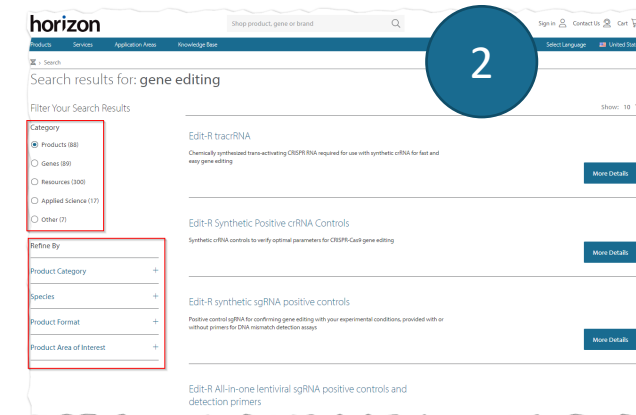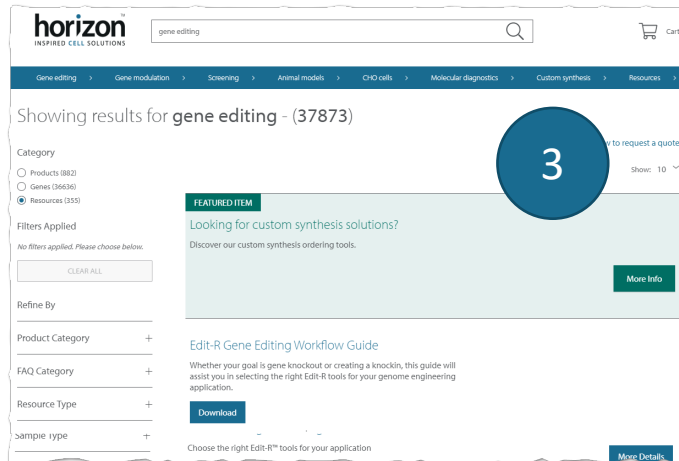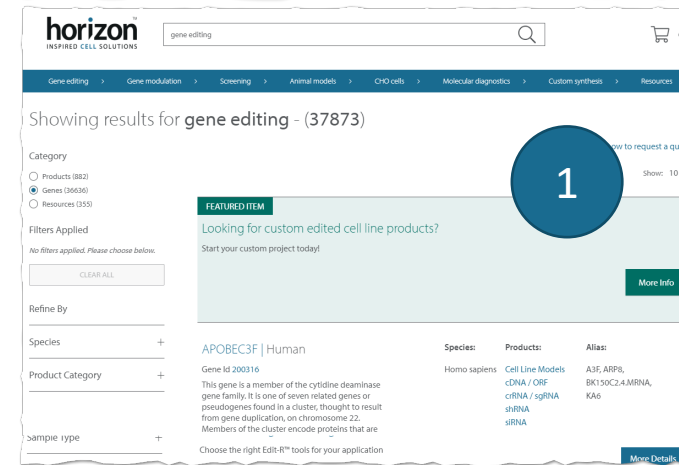**3**

Type in a valid gene symbol

1. **Select species**

2. **Select product category**

3. **Products for that species, gene and product category will appear**

Search

Show results for:

1. **Products** – view product information or add to cart

2. **Genes** – view available products by genomic identifier

3. **Resources** – view available resources such as product documents, application guides, etc.

Refine your results using various dynamic filter options

Gene Based Products

Gene Based Products

Filtering product selections

Search by: Gene Symbol, Gene ID, Accession, Description, Catalog Number

1. **Select gene symbol to drill into products**

2. **Or select product category to drill into products**

3. **Filter by Species and Product Category**

Product Selection and Add to Cart

1. Product Selection

- **View products for a particular gene and product category selection**

- **Select product line to order**

2. Configuration

- **Select from various product configuration options**

- **Notice how selections give updated target and other details**

3. Add to Cart

Configurable Products

Configurable Products

- **Design Tools**
  - CRISPR design
  - HDR donor design
  - siDESIGN center

- **Cherry-pick Libraries**
  - Custom libraries for: crRNA, siRNA, shRNA, miRNA, cDNA, ORF

- **Custom Synthesis**
  - siRNA, miRNA, RNA, DNA
  - Tube and plateable formats

Custom Ordering Tools

- **CRISPR design tool**
- **HDR donor design**
- **Custom siRNA**
- **siDESIGN center**
- **Cherry-pick libraries**
- **Custom microRNA**
- **Custom SMARTpool**
- **ssRNA synthesis**
- **Custom DNA**

All metadata is maintained throughout the transaction.

Design Tools

1. **Select Knowledge Base in the main navigation menu**

2. **Select Tools and Calculators**

3. **Select one of the highlighted design tools**

Knowledge Base -> Tools & Calculators

Custom Synthesis and Cherry Pick Library Tools

1. Select one of the highlighted tools for custom synthesis

2. Select the Cherry-pick library tool for custom plateable libraries for multiple product types

Custom Synthesis

Custom Synthesis Tools
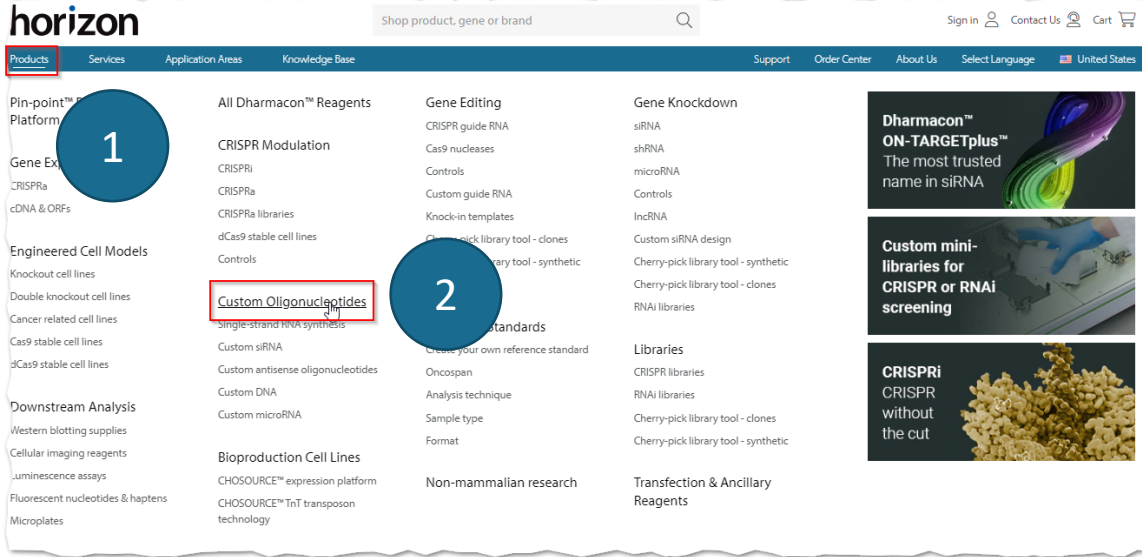
1. **Select Products from the main navigation menu**

2. **Select Custom Oligonucleotides**

3. **This will bring up the main custom synthesis page with information and links to all our custom synthesis services and products**

Products -> Custom Oligonucleotides
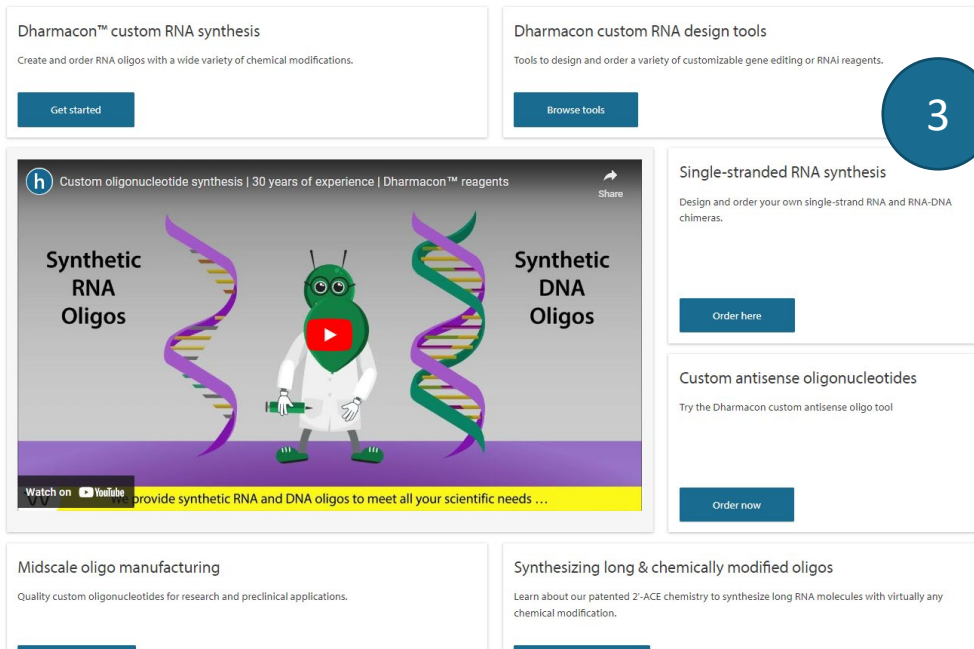
Custom RNA Synthesis

Custom synthesis can be ordered as a single synthesis or multiple.

1. **Select the "Order Single-strand RNA" link for a single custom synthesis.**

2. **Select the "Order Multiple Single-strand RNA" link for a multiple custom synthesis.**

Products -> Custom oligo synthesis -> Custom RNA synthesis -> single-stranded RNA synthesis

Custom siRNA Synthesis

1. **Select the "Order custom siRNA" link for up to 7500nmols size.**

2. **Select the "siDESIGN Center" link to design siRNAs targeting genes in non-standard species.**

3. **Select the "Preclinical scale and OEM RNA & DNA synthesis" for larger synthesis scales.**

Products -> Custom oligo synthesis-> Custom siRNA synthesis

Custom DNA Synthesis

Custom synthesis can be ordered as a single synthesis or multiple.

1. **Select the "Order Single-strand DNA" link for a single custom synthesis.**

2. **Select the "Order Multiple Single-strand DNAs" link for a multiple custom synthesis.**

Products -> Custom oligo synthesis-> Custom DNA synthesis

Custom DNA synthesis

Use our convenient online tools to order the custom DNA oligo that fits your experimental needs. Whether you are in need of primers for PCR, DNA donor oligos for gene editing using homology-directed repair (HDR), or something in between, we enable your research with custom DNA up to 150 bases in length.

DNA synthesis capabilities supports applications which may require:

- DNA donor oligos for CRISPR-Cas9 HDR
- Primers and templates
- Multiple stabilizing modifications for research needs

| Products | Supporting Data | Re... |

- Order Single-strand DNA
  Custom DNA synthesis of up to 150 bases at either 0.05 nmol or 1.0 µmol scale, with the option of HPLC purification.
- Order Multiple Single-strand DNAs
  Use this online tool to order multiple ... with the same characteristics (scale, purification, 5' modification)

Oligo Name:	My DNA	
Purification ❓	HPLC Purification	$100.00
Scale ❓	0.05 µmol	
Post Synthesis:	Desalt	

| 5' Modifications | Sequence Please Click on Refresh Price for updated sequence. | Internal Modifications |
| 5'-P | AAC ACA CGA GCA CTG ACT ACG ACT ACG CTA GC(dN) (dN) | None |

Synthesis:	5' (5'-P) AAC ACA CGA GCA CTG ACT ACG ACT ACG CTA GC(dN) (dN) 3'		
Length:	34	Sequence Price:	$110.50
GC Content:	50.00 %	Setup Charge:	$17.00
Mol. Weight:	10,454.27 g/mol	Unit Price:	$227.50
E260:	332,700 L/(mol•cm)	Days to Ship:	10

Refresh Price   Add To Cart

Custom microRNA Synthesis

Custom microRNA

Modify an existing microRNA mimic or target a novel microRNA, or request an Accell™ microRNA inhibitor or stabilized mimic for special applications.

Custom microRNA ①

Use our online ordering tool to easily [...]ure microRNA and have our proprietary miRIDIAN mimic modification pattern applied to you sequence.

Multiple scales and processing options are available, as well as a wide variety of 5' and 3' modifications. Watch our step-by-step video tutorial to learn how to use the custom miRNA ordering tool.

Alternatively, if you would prefer a custom generated quote fill out the custom synthesis quote form.

| Overview | Products | Resources |

Additional microRNA modulation tools are available by Technical Support quote

Step One
Select Options in order to determine available scale

Oligo Name *
My microRNA

Processing
Standard (A4)

Scale *
40 nmol (0.05 µmol Scale)

* The nmol size is the guaranteed amount of material you will receive for miRNA. Modifications will decrease this yield. For any questions, please contact us

Step Two
Enter or paste (ctrl+V) a 21-30 nt mature microRNA sequence from which both the active (guide) and passenger strands will be synthesized.

5' AACACAGCACUACUACGUAGCUAGC 3'

Reset All **Populate**

Contact Scientific Support for stabilized mimics, to add mismatches within your mimic sequence, Accell inhibitors and custom miRIDIAN hairpin inhibitors.

Messages:

Step 3
See all Bases and Modifications for microRNA mimic synthesis

Metric	Sense	Antisense	Duplex
GC:	43.48 %	43.48 %	N/A
Mol. Wt.	7,954.76 g/mol	8,027.87 g/mol	15,982.63 g/mol
e260	251,400	249,400	445,712

Pricing	
Total Price:	$459.00
Days to Manufacture:	4

1. **Select the "Custom microRNA" link for up to 7500nmols size.**

Products -> Custom oligo synthesis-> Custom microRNA
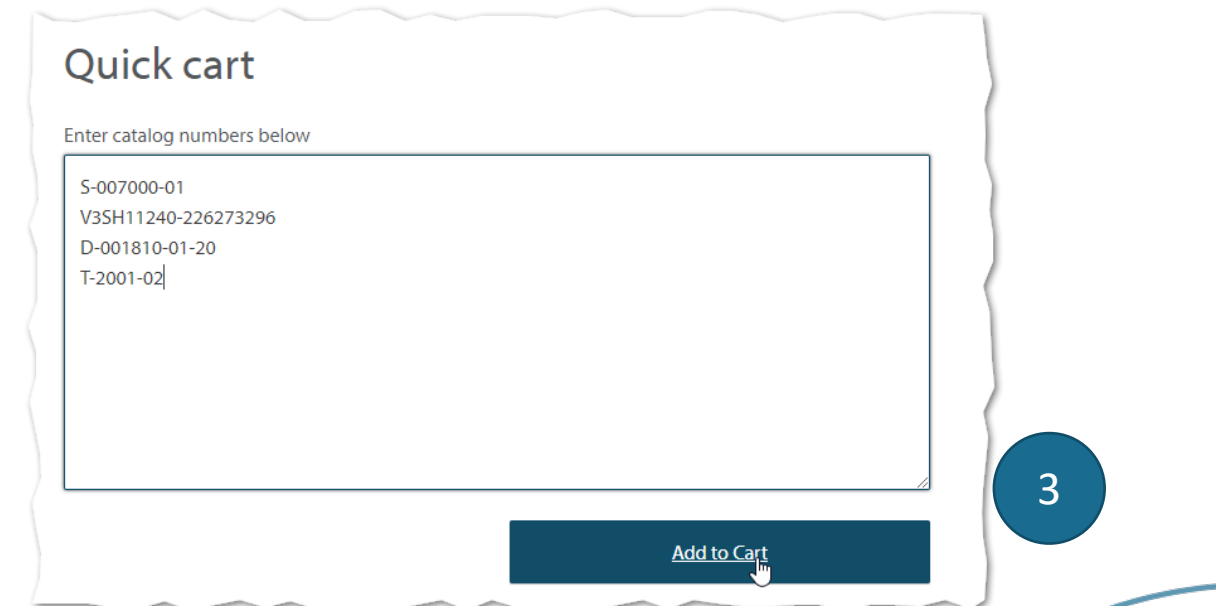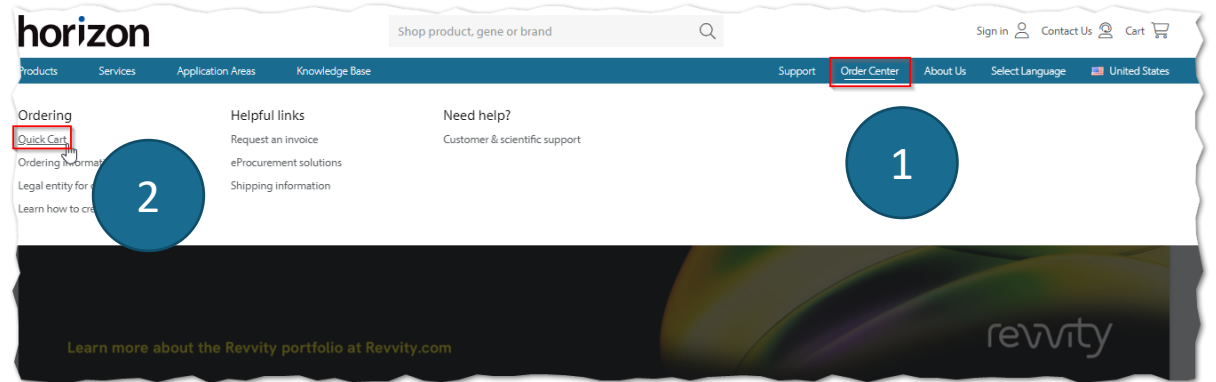
Quick Cart

Quick Cart

1. **From the main navigation menu, select "Quotes and Orders"**

2. **Select Quick Cart**

3. **Enter your catalog numbers into the text box and select Add to Cart.**

Order Center -> Quick Cart

Shopping Cart

Your shopping cart

1. **Select the shopping cart icon at any time to view your shopping cart.**

2. **You can append/decrement/remove individual items in your cart**

3. **Select Checkout Now to check out**

4. **You can enter promo codes, apply, and view your new price.**