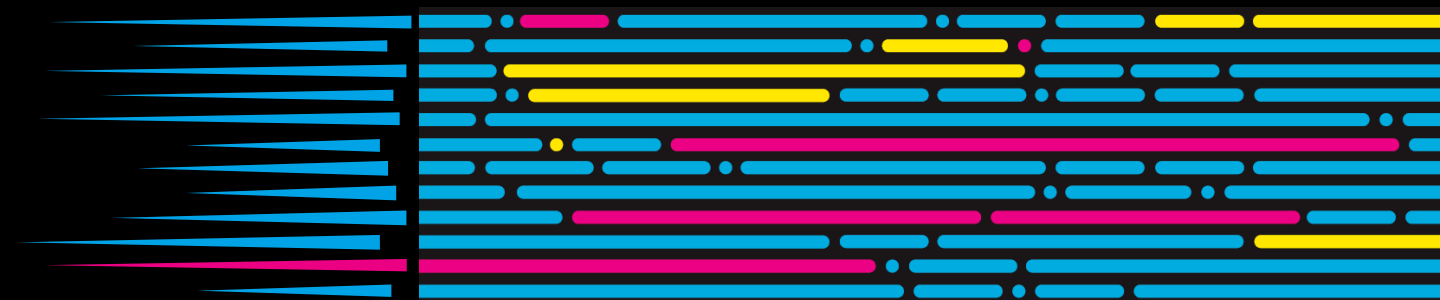




DNA2GO™ - double stranded gene fragments

Gene fragments up to 1,500 bp
Fast, easy, and convenient



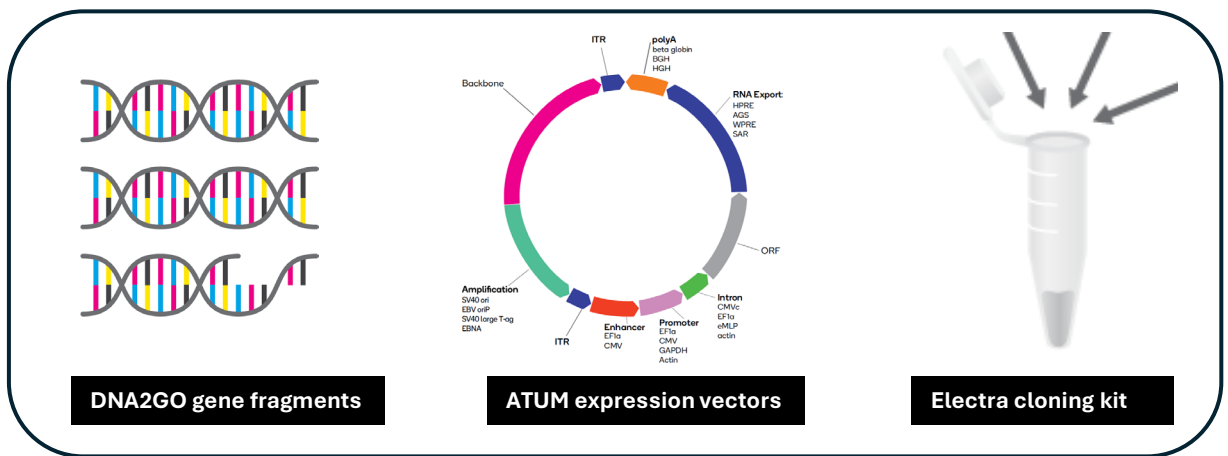
For applications such as:

- Antibody discovery
- AI-driven protein design
- HTP screening
- CRISPR genome editing

DNA2GO™ – double stranded gene fragments

DNA2GO offers fast and reliable custom synthetic DNA fragments to supercharge your research. Backed by ATUM's superior machine learning based codon optimization algorithm and decades of oligonucleotide chemistry experience, DNA2GO ensures speed, exceptional quality and biological performance, enabling you to achieve your goals with confidence and efficiency.

DNA2GO is ideal for rapid antibody discovery, AI-driven protein engineering, scanning mutagenesis, and CRISPR mediated genome editing.



DNA2GO key features

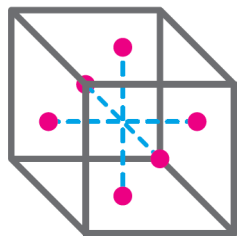
- 1) Rapid turnaround.** Double-stranded DNA fragments are ready to **GO** in under 5 days from ordering, accelerating your research timelines.



<5 days

- 2) Customizable.** Bring your own DNA sequence (200–1500bp; 30–70% GC content) OR let ATUM codon optimize your amino acid sequence.

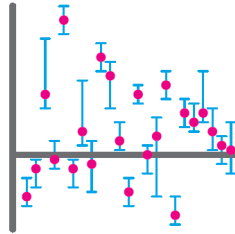
3) Superior gene coding design. Access ATUM's proprietary GeneGPS® codon-optimization algorithms to achieve optimal protein expression. Available for expression hosts including HEK, CHO, *E.coli*, *Pichia*, and more.



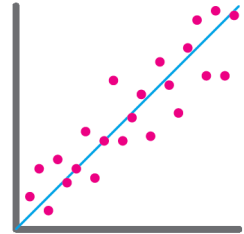
1. in silico DoE
infologs



2. gene synthesis



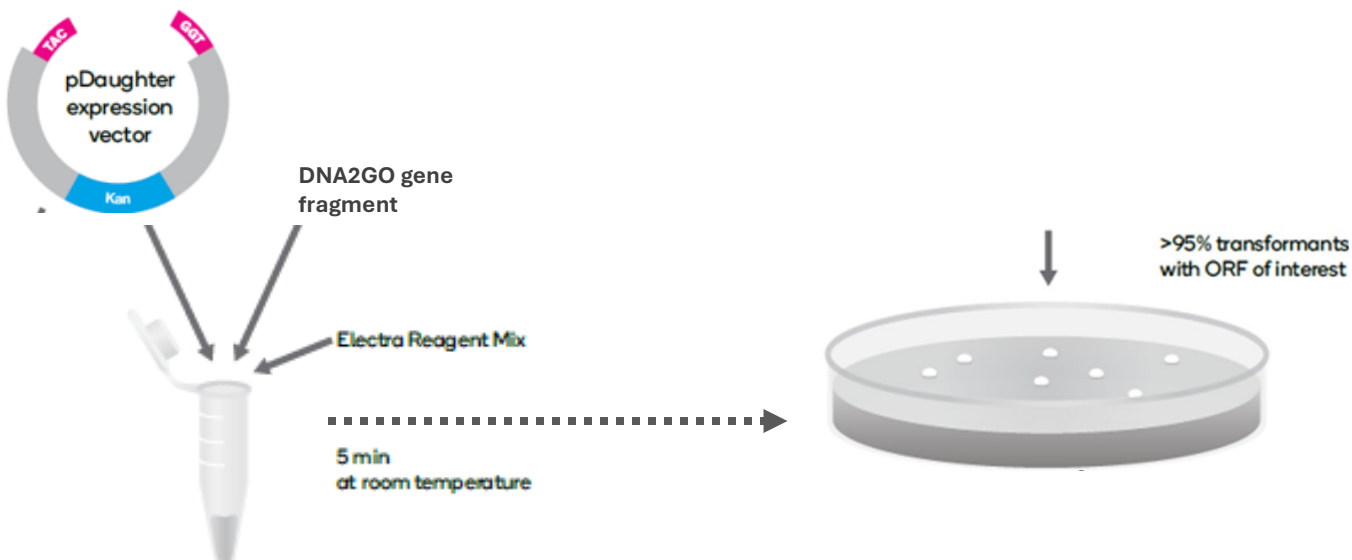
3. test in host
system



4. build predictive
model

Not all codon optimization algorithms are created equal. Genes optimized with GeneGPS® algorithm yield between 10 & 100-fold more protein. Save months on painstaking optimization studies and use much smaller culture volumes.

4) Fully Integrated cloning workflow. Order Electra expression vectors and Electra cloning kit to create a fully integrated, single-step cloning workflow. Once cloned into ATUM expression vectors, DNA2GO gene fragments provide optimal gene sequences in the best vectors for your expression host.





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