

CUSTOM GENE SYNTHESIS

Genes

401-1500 bp
€0.37/bp*
8-12 days

miniGenes

up to 400 bp
€150 flat rate*
4-8 days

IDT offers a custom gene synthesis service that save researchers time and money by constructing, cloning and sequencing genes. Sequence information is always secure and confidentiality is protected.

Gene Synthesis Services

- 2 µg purified double-stranded DNA in a circularized plasmid, shipped lyophilized
- Sequence-verified with sequencing chromatograms and plasmid map
- Codon optimization available at no additional charge

All sequences are analyzed

- Hairpins
- Repeats and homo-polymeric runs
- Overall and regional GC content
- Restriction site analysis

Vectors

Unless specified, all genes will be delivered in IDT's proprietary cloning vector, pIDTSmart. This vector has been specifically engineering to remove the most common restriction endonuclease-cleaving sites and does not contain a promoter within the cloning region. Restriction sites and promoters can be included when ordering the gene online. The default version of pIDTSmart contains a kanamycin resistance cassette, but an ampicillin version is also available upon request.

IDT has the ability to sub-clone into almost any customer supplied vector. By completing the custom vector request sheet online or contacting Customer Care, a gene product specialist will contact you to discuss your custom vector request.

*Extra charges may apply for gene segments with added complexity.

Let IDT take the work out of cloning genes for your research.