

# 10 SECOND OVERVIEW



- » De novo synthesis of any double stranded DNA
- » Your choice: Short double-stranded fragments, complex genes or complete gene libraries
- » Free sequence optimisation
- » Express Genes up to 1000 bp in a Eurofins Genomics standard cloning vector delivered in only 4 days
- » Express GeneStrands up to 1000 bp as dsDNA fragment in 48 hours at your bench
- » Secure ordering, tracking and storage of your data
- » Strict confidentiality for every project

” WE ARE HIRING!  
EXPERIENCE YOUR  
FULL POTENTIAL AT  
EUROFINS GENOMICS



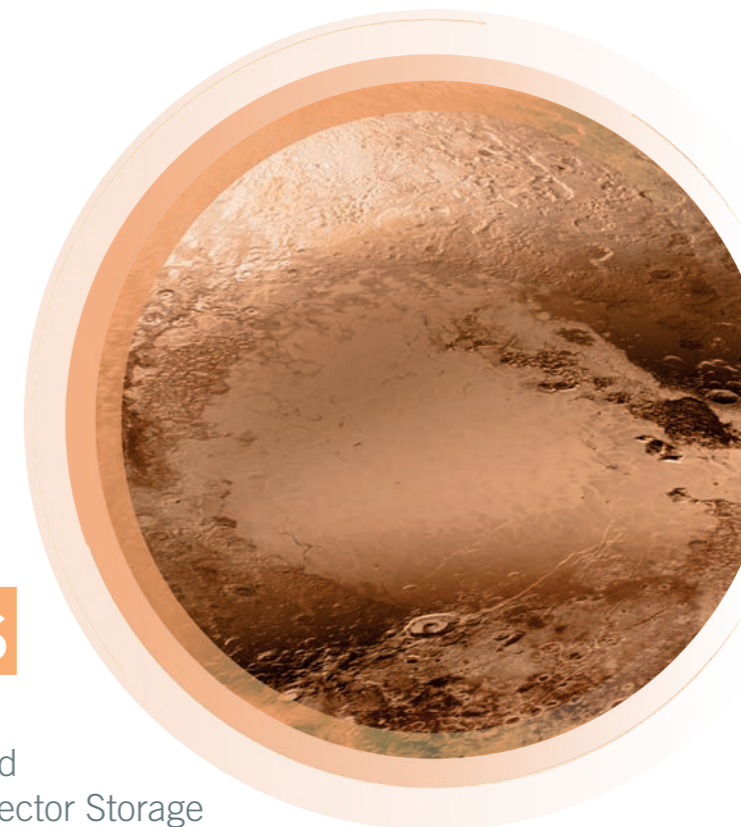
## EUROFINS GENOMICS

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## Gene Synthesis

” Fast Turnaround  
Times & Free Vector Storage



THE DNA UNIVERSE

DISCOVER ALL DETAILS  
OF OUR PORTFOLIO  
BEHIND THE QR CODE.



**DID YOU KNOW THAT...**

...in 1972 the first gene was synthesised by Har Gobind Khorana and colleagues – it was a small yeast tRNA.

...today entire genes with much greater length are synthesised de novo, without a template DNA.

...genes of any length, including complete plasmids, can be synthesised.



DNA & RNA  
Oligonucleotides



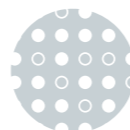
Gene Synthesis /  
Molecular Biology



Custom DNA  
Sequencing



Next Generation  
Sequencing



Genotyping &  
Gene Expression

**BUILT FOR YOU**  
Pre-designed and validated packages for standard applications

**Synthetic genes**

- Available in any size
- Express option available
- Fast turnaround times
- Free, immediate online gene optimisation

**Plasmid Preparation Service**

- Up to 20 mg plasmid
- Animal-free preparation available
- Large portfolio of plasmid prep options available

**Site Directed Mutagenesis (SDM)**

- SDM on top of your synthetic gene order as an efficient option for gene variants
- Insertions and substitutions up to 150 bp

**BUILD YOUR OWN**  
Flexible standardized modules for easy design of custom solutions

**GeneStrands**

- Available up to 2000 bp
- Express option available (in 48h @ your bench)

**Complex genes & gene synthesis projects**

- For all challenging genes, regardless of size, GC content and structure, we apply specific protocols in our lab.
- Any large gene synthesis project can be built up as customised solution together with you

**Combinatorial libraries**

- Ideally suited for screening approaches
- Available linear or cloned

**Cloning Service**

- Adaption of custom vector for cost-effective gene synthesis
- Plasmid synthesis
- Special E.coli strains to enhance the yield