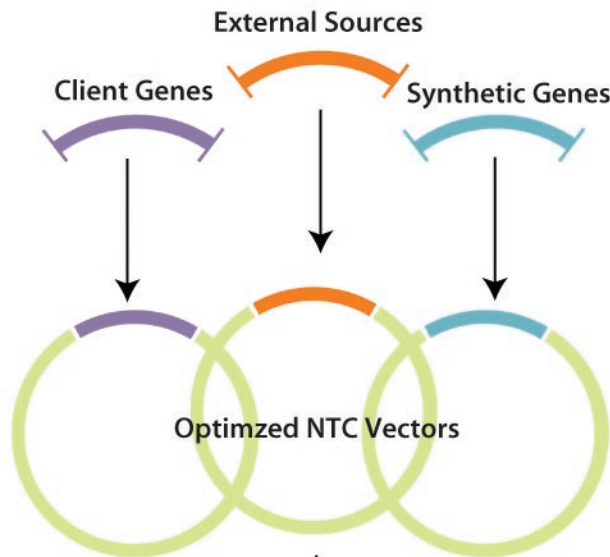


NTC RapidVACC™ Cloning and Follow-up Services



NTC Large Scale Prep (Research Grade)



Tech Transfer, GMP Manufacturing, CROs



Vector Design:

NTC scientists work with clients for design optimization

- Client Genes
- External Sources
- Optimized Synthetic Genes

Insert Choices:

- Optimized NTC DNA Vaccine Vectors
- Optimized NTC Therapeutic Gene Vectors

Vector Choices:

- Vectors optimized for: speed (4-5 weeks typical turnaround times); economy (\$400 typical cost per antigen, includes sequencing inserts), regulatory compliance (Points to Consider); optimal prokaryotic plasmid yield; optimal mammalian transient expression; choice of markerless (antibiotic-free) or KanR; immunogenicity.

Technology Advantages:

- Technology Options: targeting, dcm methylation (+), RIG-1 activation (interferon)

Clone Validation:

Fully sequenced inserts and junctions

Plasmid DNA Manufacturing:

Highly purified, endotoxin-free, research grade pDNA

- Small Scale: 1-99mg
- Large Scale: 100mg-Kg attainable yields and purity)
- (HyperGRO™) Fermentation, >2.6g/L

GMP Manufacturing:

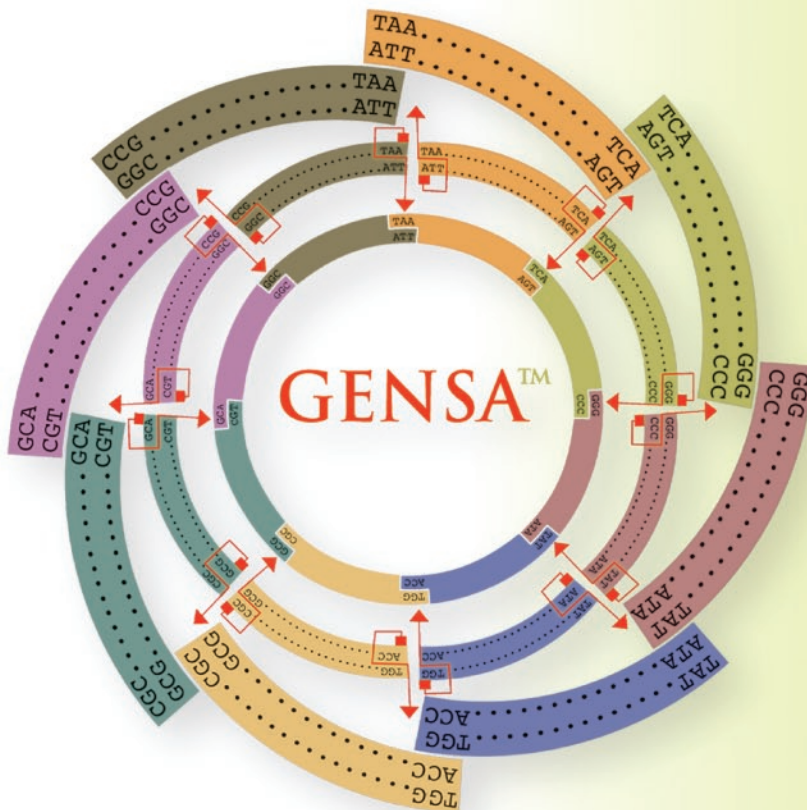
Technology Transfer from NTC to CMOs, and/or client facilities

NTC Vectors: Precision Cloning

Service	Your High-Copy Vector	NTC SV40-PASBH Vectors
Clone your Gene	N/A	\$400
Choice of NTC Vector	N/A	\$420
1g research grade DNA Prep	\$12,500*	\$9,995
Total Cost:	\$12,500*	\$ 10,835

*Pricing subject to change

Plus: large scale production every time you order NTC high copy DNA vector!



Precision vector construction and multigene dove-tailing with GENSA™ (Gene Self Assembly) technology, available upon request.

