

Olon has **developed a recombinant peptide technology** that allows to provide its customers with requested peptide on any scale.

KEY FEATURES

- > **Complex peptides:** Olon's recombinant peptide technology provides with high efficiency, repeatability, and purity complex peptides otherwise difficult to obtain.
- > **Scalable System:** orders can range from milligrams to kilograms.
- > **Low Cost:** our recombinant peptide package provides a cost-effective approach for large-scale, long, and complicated peptide production.
- > **Batch-to-Batch Consistency:** with fewer steps than conventional peptide synthesis, recombinant peptide technology produces peptides with high levels of consistency, time after time.



Valued **Top 10** pharmaceutical Companies are already our exclusive customers.



The production of **long-chain peptides** is still even today a synthetic challenge. Specifically designed strains provide a solid platform and starting point for high peptide yields.

Recombinant technology reduces the risks of racemization, sequences mismatches, and protection/deprotection steps, typical of synthetic peptides.

TECHNOLOGIES



- > Genetic engineering
- > Recombinant DNA technology in different hosts (E. Coli and yeasts strains)
- > Preparation of Master Cell Banks and Working Cells Banks
- > Scale flexibility from flask to full scale production



- > Fermentation process optimization
- > DSP technologies for recombinant products
- > From 30 aa to protein and enzymes



CAPACITIES & CAPABILITIES



Our FDA inspected and fully cGMP compliant manufacturing site in Settimo Torinese (Italy), dealing with fermentation since 1907, a real pioneer in this field, can offer a full range of analytical as well as development and small scale production technologies.

In addition the semi-synthetic capabilities in Olon allow the access to peptides entailing non-natural amino acids, and to perform subsequent synthetic derivatizations.



EXCEPTIONAL SUPPORT



- > Preparation of MCB and WCB
- > Strain improvement and selection for small molecule APIs
 - Genetic engineering
 - Mutagenesis
 - Genome shuffling
- > Fermentation of API or Enzymes
 - Batch, feed batch and partial harvest fermentations
 - Product inhibition with resins
 - Optimization with "Experimental Design"
- > Biotransformations
- > Scale-up of classical fermentations
- > DSP technologies for small molecule APIs



OLON IS YOUR IDEAL PARTNER SUPPLIER

More than 1 Century expertise in fermentation
Genetic engineering development up to commercial needs also for high containment products
Cost efficiency and purity due to high fermentation capacity
Reliability