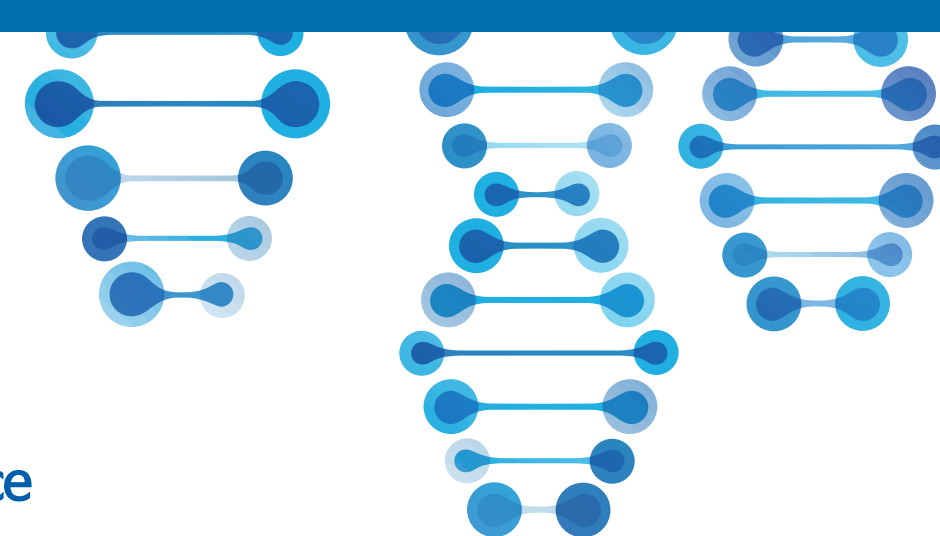


CUSTOM SERVICE



Oligo Synthesis

- Modified Oligo
- Fluorescence-labeled Oligo
- Dual-labeled DNA Probe
- Custom siRNA / miRNA Synthesis
- Gene Synthesis Service

DNA Sequencing & Other Service

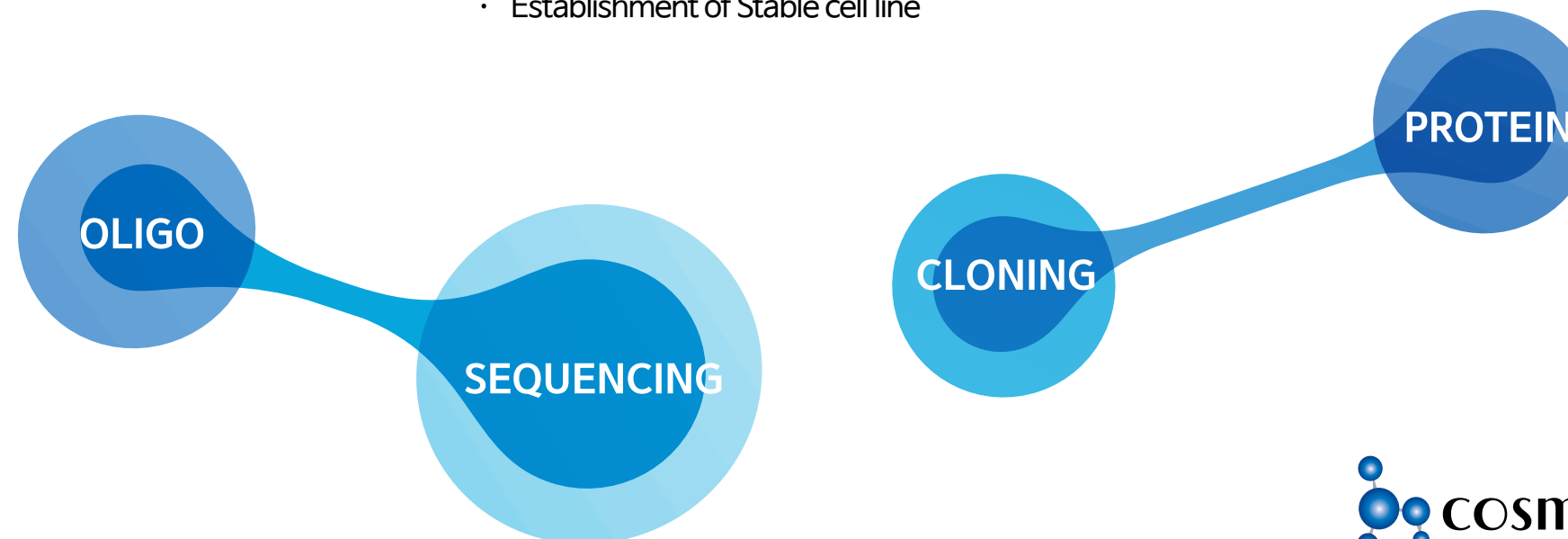
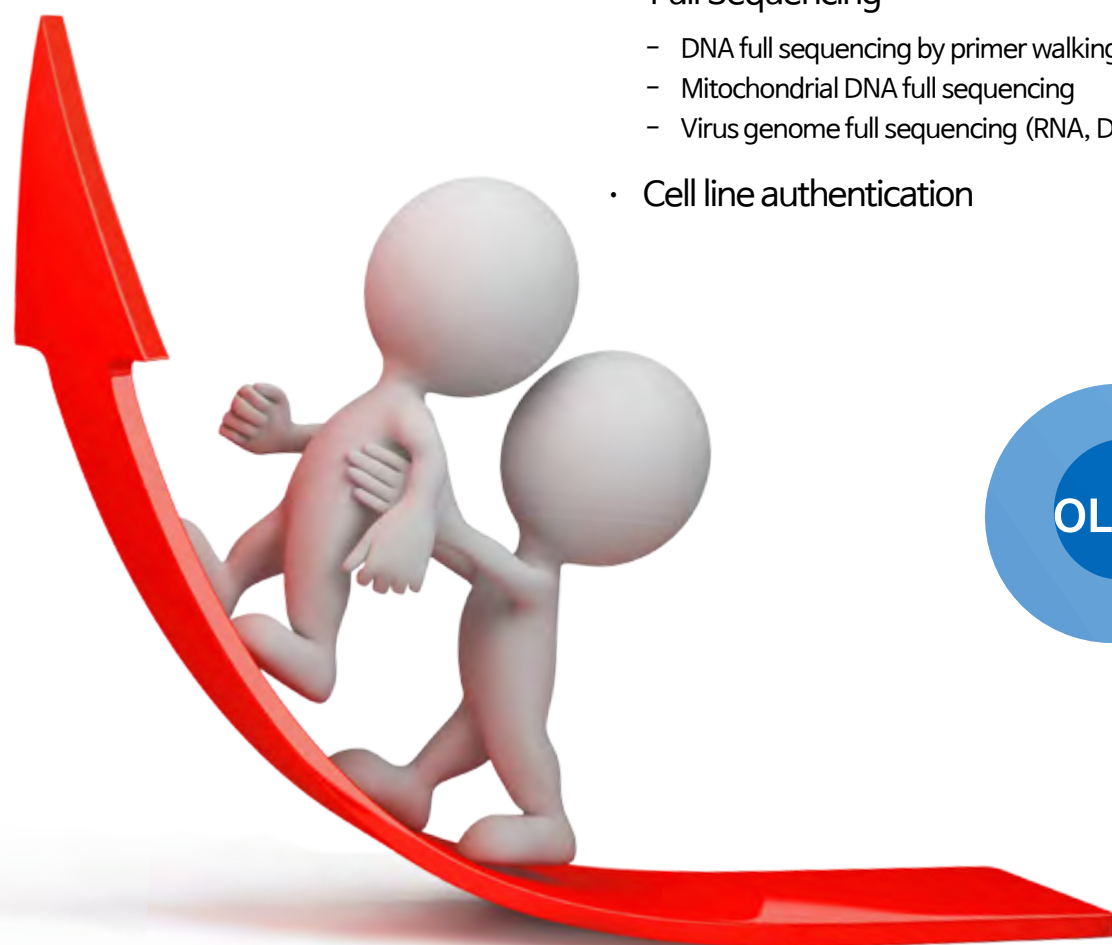
- Difficult Template Sequencing
- Microbial Identification (16S & 18S rRNA)
 - 16S rRNA Sequencing (Bacteria)
 - ITS Sequencing (Fungi, Yeast, etc.)
 - Unknown
- SNP / STR Genotyping
 - TaqMan® SNP Genotyping Assay
 - SNP Sequencing
 - Bisulfite Sequencing
 - GeneScan™ (microsatellite DNA) Analysis
- Full Sequencing
 - DNA full sequencing by primer walking (plasmids, gDNA, etc.)
 - Mitochondrial DNA full sequencing
 - Virus genome full sequencing (RNA, DNA virus)
- Cell line authentication

Gene Cloning & Other Service

- TA Cloning
- Subcloning
- In-fusion Cloning / Gateway Cloning
- Mutagenesis
 - Substitution / Insertion / Deletion
- shRNA Clones
- in vitro transcription
- Plasmids Prep. Service
 - Maxi-prep
 - Giga-prep
- Real-time qPCR Service
 - Gene Expression, SNP, miRNA, Copy Number Variation
 - Dye-based (SYBR green, Evagreen)
 - Probe-based
- Mycoplasma Detection Service
- Establishment of Stable cell line

Protein Expression & Other Service

- Protein Expression & Purification in *E.coli* System
 - Pre-test for Recombinant Protein Over-expression
 - Affinity Column Chromatography (His-, GST-, MBP-fusion Protein)
 - Tag Removal Service
 - Refolding Service
 - Western Blotting Service
- Custom Peptide Synthesis
- ELISA Service
 - ELISA analysis
 - ELISA kit optimization
 - Coating Service
- Luminex Service



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