

Product Catalog

Molecular Biology Products





About us

RatinGene is a knowledge-based biotechnology company founded in 2021 to advance modern biotechnological solutions and support the country's scientific and laboratory needs. With the expertise of leading scientists and specialists, the company became the first in Iran to commercialize the Poly(A) Polymerase kit, contributing significantly to national capability in advanced genetic technologies.

RatinGene operates across three main domains:

- Development of molecular biology kits and engineered enzymes
- Design and supply of laboratory equipment and consumables
- Technical support for research, academic, and clinical laboratories

Products are marketed under the **Technogene** brand and adhere to quality standards comparable to international manufacturers. Continuous investment in R&D enables the company to maintain a fully integrated pathway from innovation to final production.

Nucleic Acid Extraction





Blood DNA Extraction Kit

- Simultaneous use of Fe-Si Nanoparticles and Silica Column
- Ability to extract 20µg of DNA from 200µL of blood
- Optimized for HLA-Typing



Viral Nucleic Acid Extraction Kit

- Simultaneous use of Fe-Si Nanoparticles and Silica Column
- Ability to extract the highest nucleic acid load
- includes extra collection tube and Nano-Tube
- High efficiency in viral genome extraction from various human samples





RUO

Plasmid DNA Extraction Kit

- Simultaneous use of Fe-Si Nanoparticles and Silica Column



RUO

Total RNA Extraction Kit

- Simultaneous use of Fe-Si Nanoparticles and Silica Column
- Phenolic



TRizol

- High Pure RNA



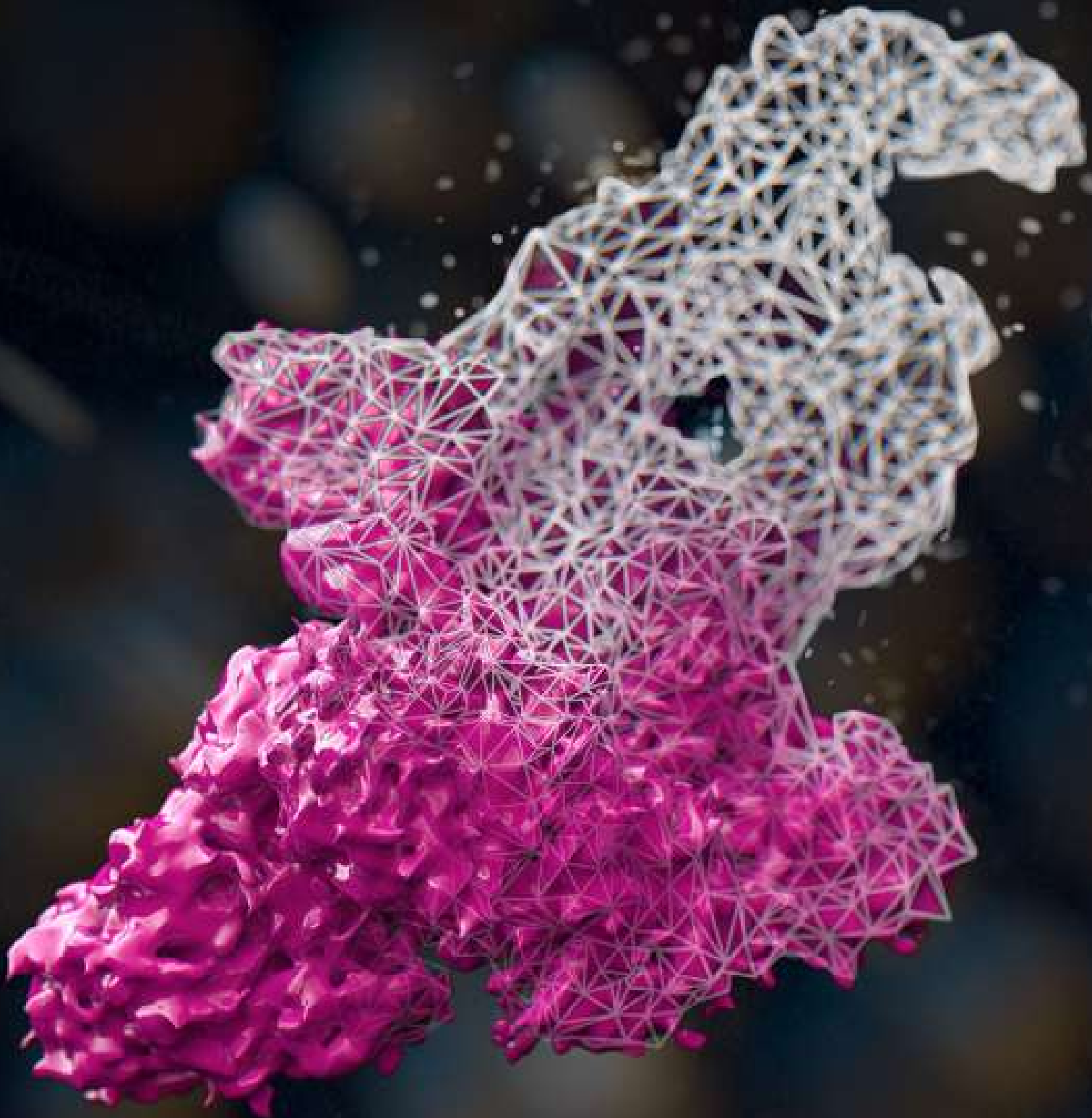
RUO

Gram Negative Bacteria DNA Extraction Kit

- Simultaneous use of Fe-Si Nanoparticles and Silica Column



Molecular





Poly (A) Polymerase

- First Poly(A) Polymerase kit produced in Iran
- Stable and reliable, matching the performance of major brands like NEB
- Suitable for RNA polyadenylation in molecular biology workflows
- High quality and cost-effective for research labs



HyperTherm SynFusion Reverse Transcriptase

- Thermostable reverse transcriptase with activity up to 65 °C
- RNase H-minus domain, ensuring higher cDNA yield
- Capable of synthesizing long cDNA fragments up to ~13 kb
- Provides high stability and performance for advanced molecular biology workflows





microRNA cDNA Synthesis Kit

- Contains RT enzyme and Poly(A) Polymerase
- Includes dNTPs, ATP, and specialized reaction buffers
- Provides RT Adaptor primer and Universal Reverse primer
- Designed for Poly(A)-based microRNA cDNA synthesis with high sensitivity and consistency



HyperTherm SynThex cDNA Synthesis Kit

- Supports high-yield, long-fragment cDNA synthesis
- Includes optimized buffers and dNTP mix for reliable performance
- Delivers consistency and sensitivity comparable to major international kits





SYBR Green Master Mix

- 2X
- 1mL



PCR Master Mix

- 2X
- 1mL



Adenosine Triphosphate

- 10mM
- 100 μ L



Agarose Gel Loading Dye

- 6X
- 1mL



Buffer and Solution





RBC Lysis Solution

- 1x
- 100mL



Tris-Acetate-EDTA(TAE)

- 50X
- 100 mL



Tris-Borate-EDTA(TBE)

- 10X
- 100mL



Fe-Si Nanoparticles

50-100 nm



Instruments





PCR Workstation

- PVC / MDF
- 20 W UV
- Digital Timer



Cool Rack

- 96 (0.2mL)
- 4 (2mL)
- 4 (0.5mL)
- Contain Insulation foam
- and Plexiglas Cover



Magnetic Rack

- 6-16 wells





Ratingene Company
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