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*n/a Ensembl ENSG00000283904 n/a
UniProt n/a n/a RefSeq (mRNA) n/a
n/a RefSeq (protein) n/a n/a Location
(UCSC) Chr 21: 25.57 – 25.57 Mb n/a
PubMed search n/a Wikidata View/Edit
Human MiR-155 is a microRNA that in*

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*humans is encoded by the MIR155
host gene or MIR155HG. MiR-155
plays a role in various physiological
and pathological processes. [7] [8] [9]
Exogenous molecular control in vivo of
...*

From DNA to RNA - Molecular Biology
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of the Cell - NCBI Bookshelf

The average length of a transcription unit along a eukaryotic DNA molecule is about 27,000 nucleotide pairs, whereas an averaged-sized protein is about 400 amino acids long. What is the best explanation for this fact?

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*DNA replication - California State
University, Northridge*

*Ribonucleic acid (RNA) is a molecule
that is present in the majority of living
organisms and viruses. It is made up
of nucleotides, which are ribose
sugars attached to nitrogenous bases
and phosphate groups. The*

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nitrogenous bases include adenine, guanine, uracil, and cytosine. RNA mostly exists in the single-stranded form, but there are special RNA viruses that are double-stranded. The RNA ...

chapter 17 Flashcards | Quizlet

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See how cells "read" the information in a DNA sequence to build a protein—in a bit more detail. video. How a firefly's tail makes light. Walk through protein synthesis with this animated example. ... and ribosomal in the processes of transcription and translation. learn more. Beyond the Central Dogma.

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*Learn about some of the less-known
roles ...*

*LA Taq DNA polymerase—for long-
range PCR - Takara Bio
Biology Online is the world's most
comprehensive database of Biology
terms and topics. Since 2001 it has*

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been the resource of choice for professors, students, and professionals needing answers to Biology questions. Search over 75,000+ terms, news, insights, discoveries, and trends in Biology below:

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Oocyte - Wikipedia

5. Which of the following helps in opening of DNA double helix in front of replication fork? (a) topoisomerase (b) DNA polymerase-I (c) DNA gyrase (d) DNA ligase. Answer: (c) 6.

Termination of replication is triggered by (a) DNA polymerase (b) Helicase

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*(c) SSB (d) Tus protein. Answer: (d) 7.
DNA polymerase synthesizes (a) DNA
in 5'-3' direction*

*Ex Taq DNA Polymerase - Takara Bio
Hashimoto, S. & Egly, J. M.
Trichothiodystrophy view from the
molecular basis of DNA*

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*repair/transcription factor TFIIH.
Human Molecular Genetics 18 ,
R224–R230 (2009). Herschleb, J. et al
...*

*Double-Strand DNA Breaks | Learn
Science at Scitable - Nature
Amplification of human genomic DNA
Page 16/37*

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with Takara LA Taq DNA Polymerase. Purified human genomic DNA (500 ng in a 50 μ L reaction) was used as a template for PCR amplification of regions of the beta-globin locus and the TPA gene with Takara LA Taq polymerase. The sizes of the amplified products were 17.5 kb (lane 1), 21.5

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kb (lane 2), and 27 kb ...

What Is DNA?- Meaning, DNA Types, Structure and Functions - BYJUS Transcription Produces RNA Complementary to One Strand of DNA. All of the RNA in a cell is made by DNA transcription, a process that

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has certain similarities to the process of DNA replication discussed in Chapter 5. Transcription begins with the opening and unwinding of a small portion of the DNA double helix to expose the bases on each DNA strand. One of the two strands of the DNA double helix ...

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Chapter 17 HW Flashcards | Quizlet

A DNA transcription unit is composed, from its 3' to 5' end, of an RNA-coding region (pink rectangle) flanked by a promoter region (green rectangle) and a terminator region (black rectangle).

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*Acetylation of histone tails in
chromatin allows access to DNA for
transcription. ... 17 terms.*

*philipunderwood120. Bio 101 exam 3.
47 terms. ... QUESTION. T or F:*

*Attractive or repulsive interactions
between side chains 3-4 amino acids*

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*apart will effect formation. 3 answers.
QUESTION. The strand used as the
template for transcription is ...*

*MCQs on DNA Replication for NEET
2022 - BYJUS*

*Hepatitis, a general term referring to
inflammation of the liver, may result*

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from various causes, both infectious (ie, viral, bacterial, fungal, and parasitic organisms) and noninfectious (eg, alcohol, drugs, autoimmune diseases, and metabolic diseases); this article focuses on viral hepatitis, which accounts for more than 50% of cases of acute hepatitis in the United

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States, primarily in the ...

*Basic Genetics - University of Utah
RNA, abbreviation of ribonucleic acid,
complex compound of high molecular
weight that functions in cellular protein
synthesis and replaces DNA
(deoxyribonucleic acid) as a carrier of*

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genetic codes in some viruses. RNA consists of ribose nucleotides (nitrogenous bases appended to a ribose sugar) attached by phosphodiester bonds, forming strands of varying lengths. The nitrogenous bases in RNA ...

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THE CRIMES | Fleming-Method
Each time a cell divides, it must first copy its DNA—a process called DNA replication. PCR piggybacks on this natural process. In a cell, many proteins work together to replicate DNA. One key player is an enzyme called DNA polymerase—the same

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enzyme that's used in PCR. DNA polymerase can't start building from scratch.

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test your knowledge with biochemistry quiz questions. Our online biochemistry trivia quizzes can be adapted to suit your requirements for taking some of the top biochemistry quizzes.

All About PCR - Beta - University of
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Utah

An oocyte (UK: / ˈ oʊ ˈ s aʊ t /, US: / ˈ oʊ ˈ oʊ -/), oöcyte, or ovocyte is a female gametocyte or germ cell involved in reproduction. In other words, it is an immature ovum, or egg cell. An oocyte is produced in a female fetus in the ovary during female

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gametogenesis. The female germ cells produce a primordial germ cell (PGC), which then undergoes mitosis, forming oogonia.

*Viral Hepatitis: Background,
Pathophysiology, Etiology - Medscape
TaKaRa Ex Taq DNA Polymerase*

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combines the proven performance of Takara Taq polymerase with the proofreading activity of an efficient 3'-to-5' exonuclease, for high-sensitivity, high-efficiency PCR reactions. It can also be used for long-range PCR (up to 20 kb from genomic DNA templates and up to 30 kb from

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lambda DNA templates). Ex Taq polymerase has a higher fidelity than standard Taq with a ...

*Translation: DNA to mRNA to Protein |
Learn Science at Scitable - Nature
A-DNA: It is a right-handed double
helix similar to the B-DNA form.*

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Dehydrated DNA takes an A form that protects the DNA during extreme conditions such as desiccation. Protein binding also removes the solvent from DNA, and the DNA takes an A form. B-DNA: This is the most common DNA conformation and is a right-handed helix. The majority of DNA ...

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*Biochemistry, RNA Structure -
StatPearls - NCBI Bookshelf
Using the Reverse Transcriptase (RT)
found in human platelets, CD4 (Helper
Cells) and other cells carrying Long
Interspersed Nuclear Elements
(LINE-1); or by the HIV-RT. Research*

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*has shown that SARS-CoV-2 mRNA
can insert itself into human DNA .*

*LINE-1 averages 6,000 base pairs (bp)
and comprises approximately 17% of
human DNA*

*RNA | Definition, Structure, Types, &
Functions | Britannica*

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When eukaryotic DNA is replicated, it complexes with histones. This requires synthesis of histone proteins and assembly of new nucleosomes .

Transcription of histone genes is initiated near the end of G1 phase, and translation of histone proteins occurs throughout S phase.

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*¥Assembly of newly replicated DNA
into nucleosomes*

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