

1. Record Nr.	UNINA9910829923103321
Autore	Mountain A
Titolo	Biotechnology, Recombinant Proteins, Monoclonal Antibodies, and Therapeutic Genes. Vol. 5
Pubbl/distr/stampa	[Place of publication not identified], : Wiley VCH Imprint, 1999
ISBN	3-527-62086-9
Descrizione fisica	1 online resource (xvi, 562 pages) : illustrations
Disciplina	660.6
Soggetti	Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Types and Function of Proteins -- Sequence and Structure of Proteins -- Protein Interactions -- In vitro Folding of Inclusion Body Proteins on an Industrial Scale -- Medical Applications of Recombinant Proteins in Humans and Animals -- Enzymes for Industrial Applications -- Antibody Engineering and Expression -- Manufacture of Therapeutic Antibodies -- Use of Antibodies for Immunopurification -- Preclinical Testing of Antibodies: Pharmacology, Kinetics and Immunogenicity -- Preclinical Testing of Antibodies : Safety Aspects -- Therapeutic Applications of Monoclonal Antibodies : A Clinical Overview -- Antibodies for Sepsis: Some Lessons Learnt -- An Engineered Human Antibody for Chronic Therapy : CDP571 -- Antibody Targeted Chemotherapy -- ReoPro Clinical Development : A Case Study -- Overview of Gene Therapy -- Viral Vectors for Gene Therapy -- Non-Viral Vectors for Gene Therapy -- Issues of Large-Scale Plasmid DNA Manufacturing -- Gene Therapy for HIV Infection -- Regulation of Antibodies and Recombinant Proteins -- Regulation of Human Gene Therapy -- Economic Considerations.
Sommario/riassunto	In the field of medicinal biotechnology three major developments have caused a revolution in research that has a lot of innovative effects on clinical medicine and future applications on humans. With the availability of tailored recombinant proteins and the opportunity to produce high amounts of monoclonal antibodies new diagnostic applications have emerged and many therapeutic perspectives, e.g. in the treatment of multiple sclerosis and of cancer, are being discussed

today.
