



### **Introduction to Genetic Engineering and Its Applications ...**

Applications of genetic engineering to the pharmaceutical industry A frequent motive for genetic engineering is to transfer the gene for the desired protein from a cell that is difficult or impossible to grow into a cell which is easy and inexpensive to handle.

### **Applications of genetic engineering to the pharmaceutical ...**

Genetic engineering has applications in medicine, research, industry and agriculture and can be used on a wide range of plants, animals and microorganisms. Genetic engineering has produced a variety of drugs and hormones for medical use.

### **Genetic Engineering Products | Boundless Microbiology**

The basic principle of genetic engineering is gene transfer, achieved by various methods to produce recombinant proteins, genetically modified microorganisms, transgenic plants and transgenic animals for commercial application. Genetic engineering, thus ultimately influences the growth of biotech industry.

### **Applications of Genetic Engineering in Biotechnology**

Genetic engineering is a powerful method to improve the fermentation yield of bacterial metabolites. Since many biosynthetic mechanisms of bacterial metabolites have been unveiled, genetic engineering approaches have been applied to various issues of biosynthetic pathways, such as transcription, translation,

### **Application of genetic engineering approaches to improve ...**

Applications of Genetic Engineering 2. MEDICAL APPLICATIONS • The production of medically useful proteins such as somatostatin, insulin, human growth hormone and Interferon is very important. • Interleukin -2 (regulates immune response) and blood clotting factor VIII have been recently cloned.

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