

Gene cloning and gene therapy for human welfare.

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ABSTRACT

In the present day scientific world, the importance of Gene Cloning and Gene Therapy cannot be underestimated. Gene cloning is the act of making copies, or clones, of a single gene. Once a gene is identified, clones can be used in many areas of biomedical and industrial research. The treatment of genetic diseases by introducing proper genes into patient's cells is called Gene Therapy. This paper deals with the mechanisms involved in the production of Insulin, Somatotropin, Somatostatin and B-endorphin. The paper also deals with the mechanism of transplantation of Bone Marrow and Liver as part of Gene Therapy.