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The invention relates to the genetical engineer and for the preparation of recombinant AND plasmid which contain the general erythropoietine, which insure the higher level expression of indicated genes and preparation in vitro of the human active erythropoietine.

The purpose of this invention represents the increase of erythropoietine activity. The method consists in preparation of genome ADN of human erythropoietine clone through the hybridization with probes and his elimination, the construction of the recombinant plasmid AND which coding EPO of the human being, transforming subsequent AND of the mammal cells strain (for example cos.1) through the elimination and purification of the special product.