

رتبه سوم خارجی

Foreign Third Winner



Project Title:

Development of tPA (Lekeplase), a Blood Clot Lysis Drug in Bacterial System by Genetic Engineering

عنوان طرح:

تولید tPA (دارویی از مولکول کوچک tPA در سیستم باکتریال) به روش مهندسی ژنتیک

Researcher:

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Abstract:

The work presents an efficient innovative production process of K2S (LECTEPLASE), a small molecule tPA in bacterial system which can secrete the tPA into the medium, the production was scaled up and optimised in a 4L fermentor, the yield of tPA harvested was 100 mg/L.

The cost of tPA produced estimated to be about 52 times less expensive than the commercially available in the market.

It will therefore be beneficial to the low income patients all over the world. He has 4 patents and contributed to 11 books, 32 Journal papers and also 88 conference papers.