

ABSTRACT

The Serine alkaline protease gene was isolated from *Bacillus subtilis*. The gene was amplified by using Polymerase Chain Reaction (PCR). The size of the gene was found to be 1162bp. It was cloned in chemically competent *E.coli* DH5 α cells and was transformed on a plate for blue white selection of colonies. Plasmid was isolated after picking the white colonies. Double digestion was done by *Hind III* and *Nde I* and the result was confirmed by running the sample on agarose gel. Colonies showing positive results were transformed in expression vector, pET 21 a. Expression was checked by running the sample on SDS PAGE. That confirmed the gene was fully expressed.