CLAIMS

1. A bacterial expression vector for enhanced secretion of recombinant protein from host bacterial cells, preferably, *E. coli*, comprising of:

at least one secretory signal sequence;

at least one gene expression cassette comprising of at least one inducible promoter, an RBS**,** DNA sequence encoding the recombinant protein, DNA sequence encoding an affinity tag, and at least one gene terminator, with the secretory signal sequence operably linked to the gene expression cassette, and the DNA sequence of the affinity tag operably linked to the DNA sequence of the recombinant protein;

at least one bacterial *ori* gene sequence for replication of the vector in the host bacterial cell; and

a DNA sequence for coding a selectable marker, comprising of at least one antibiotic resistance gene sequence, with a suitable promoter and a gene terminator sequence flanking the DNA sequence of the selectable marker,

wherein,

the bacterial expression vector for enhanced secretion of recombinant protein consists of 6793 base pairs vector of SEQ. ID 13.

2. The bacterial expression vector as claimed in claim 1, wherein vector of SEQ. ID 13 encodes secretory signal sequence which is a combination of signal peptide of *ompf* of SEQ. ID 12 and truncated yebF peptide of SEQ. ID 8.

3. The bacterial expression vector as claimed in claim 1, wherein vector of SEQ. ID 13 provides a yield of recombinant protein 5g/L in 6 hours.