

## Yeast Secreted Protein Expression Vector Kit

### Catalog Number

RY8014

### Storage:

Transport at Room Temperature.

After the primers are dissolved and stored at 4°C.

It is recommended to activate the strain on YPDA medium immediately upon receipt.

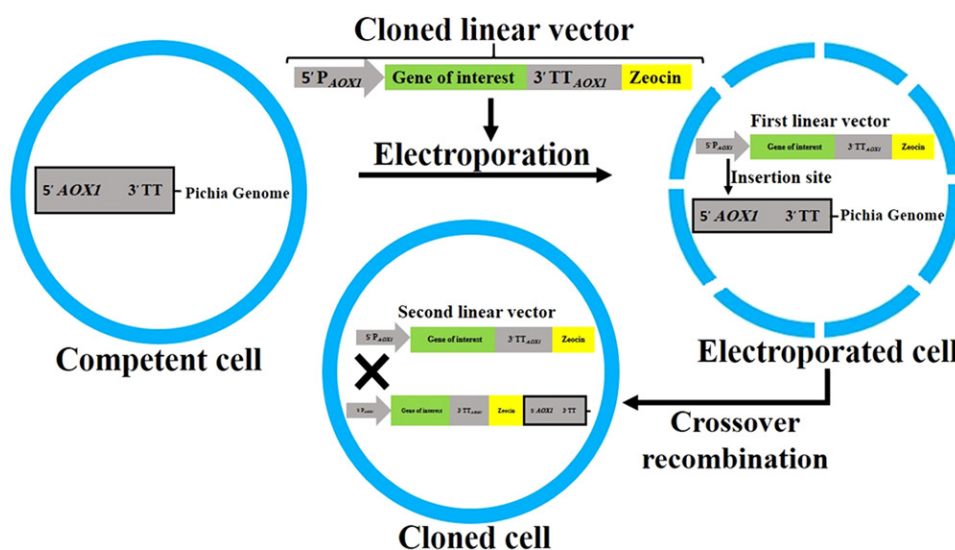
For long-term storage, it is recommended to prepare a glycerol stock (in 15% glycerol) for the activated strain and store at -80°C.

Store Plasmid at -20°C for long-term storage.

### Product Description

One of the most important branches of genetic engineering is the expression of recombinant proteins using biological expression systems. Nowadays, different expression systems are used for the production of recombinant proteins including bacteria, yeasts, molds, mammals, plants, and insects. Yeast expression systems such as *Saccharomyces cerevisiae* (*S. cerevisiae*) and *Pichia pastoris* (*P. pastoris*) are more popular. *P. pastoris* expression system is one of the most popular and standard tools for the production of recombinant protein in molecular biology. Overall, the benefits of protein production by *P. pastoris* system include appropriate folding (in the endoplasmic reticulum) and secretion (by Kex2 as signal peptidase) of recombinant proteins to the external environment of the cell. Moreover, in the *P. pastoris* expression system due to its limited production of endogenous secretory proteins, the purification of recombinant protein is easy. It is also considered a unique host for the expression of subunit vaccines which could significantly affect the growing market of medical biotechnology.

Our Yeast Secreted Protein Expression system is based on *Pichia pastoris*.

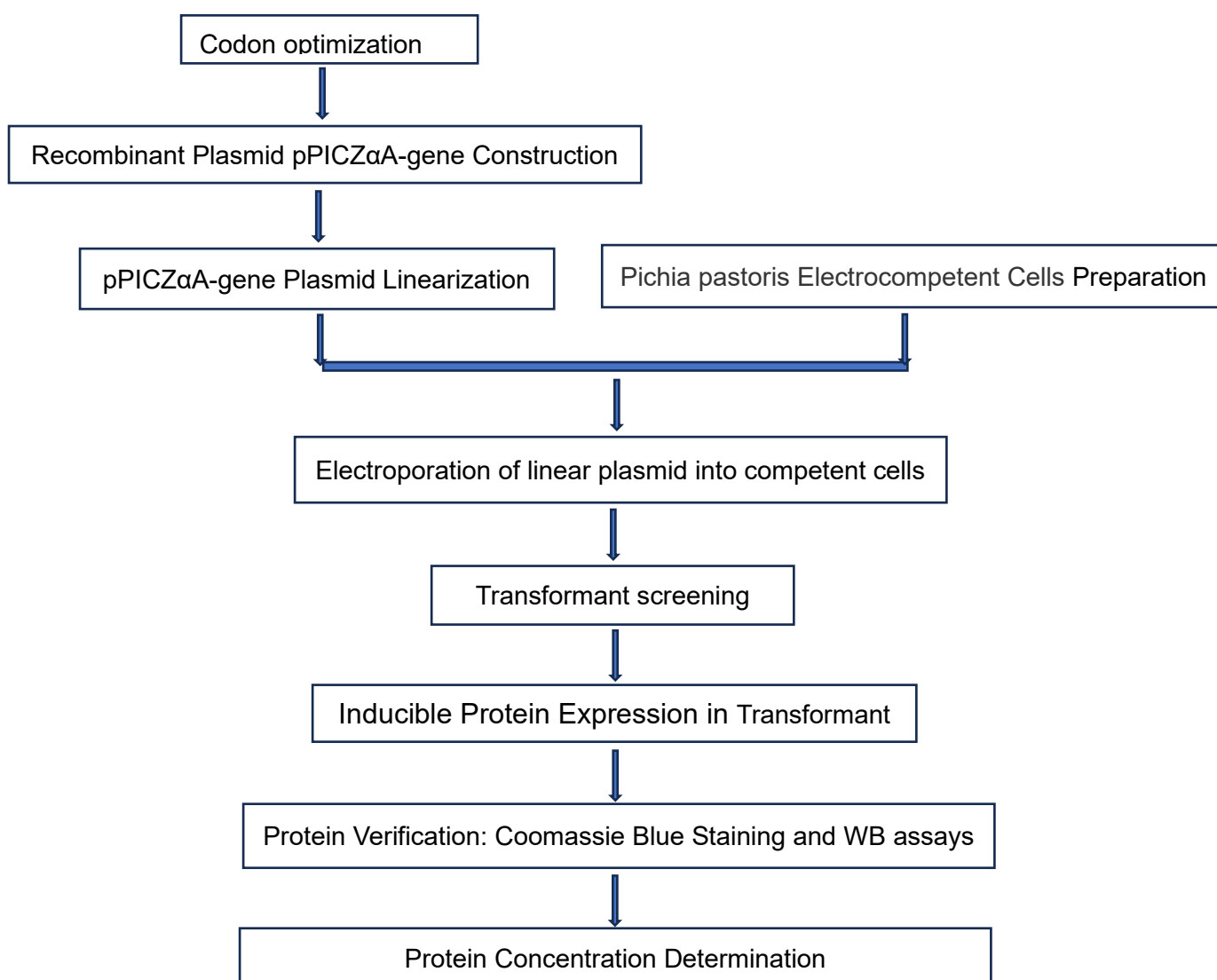


*Pichia pastoris*: A highly successful expression system for optimal synthesis of heterologous proteins, 2019

**Components**

Components	Forms	Size
GS115 Strain	Solid culture medium	One plate (diameter: 9 cm)
X-33 Strain	Solid culture medium	One plate (diameter: 9 cm)
pPIC9K Plasmid	Liquid	2 ug (20ul,100ng/ul)
pPICZαA Plasmid	Liquid	2 ug (20ul,100ng/ul)
Positive Control Plasmid	Liquid	2 ug (20ul,100ng/ul)
5'AOX 1	Lyophilized powder	2OD
3'AOX 1	Lyophilized powder	2OD

Note: The positive control protein is about 27kD.

**Experiment Process**

**Related products:**

Yeast Colony Rapid Detection Kit

Catalog No.: RY8001