T4 UvsX Recombinase

Cat. No. : RM20548

Product components

Components	Component number	Concentration	Size- 150 μg
T4 UvsX Recombinase	RM20548	3 mg/ml	50 μL

Product Description

T4 UvsX Recombinase is homologous to the RecA/Rad51 family. The RecA/Rad51 family of recombinases plays an important role in gene recombination, DNA repair, and replication, with pairing and strand replacement activities. T4 UvsX Recombinase can bind to primers to form complexes to search for homologous sequences in double-stranded DNA for strand replacement reactions. It can be combined with T4 UvsY protein, single-stranded DNA-binding protein, Bsu polymerase, etc., to complete recombinase Polymerase Amplification (RPA).

Source

E. coli strain expressing T4 UvsX Recombinase gene, derived from *Enterobacteria phage* T4.

Applications

Recombinase Polymerase Amplification (RPA)

Molecular Weight 43 kD

Store -20℃

Inhibition and Inactivation

Inactivated by heating at 60 ℃ for 20 min

Storage Buffer

50 mM Tris-HCl, 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, 20% Glycerol, pH 7.5@25℃

Precautions

1. Avoid repeated freezing and thawing of dry ice, and keep it in the refrigerator for no more than 30 times;
2. A small amount of precipitation is normal, thaw at room temperature to room temperature and then suck or vortex to fully mix and use.