

Product components

Components	Component number	Size-1 150 µg
T4 UvsX Recombinase (3 mg/mL)	RM20548	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 with primers to form a complex to search for homologous sequences in double stranded DNA and perform strand displacement reactions. It can work together with T4 UvsY protein, single stranded DNA binding protein, Bsu polymerase, etc. to complete isothermal amplification (RPA) of recombinase polymerase.

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°C

Inhibition and Inactivation

Inactivate at 60 °C 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°C

Precautions

1. Avoid repeated freeze-thaw of dry ice; Store it in the refrigerator and avoid repeated freeze-thaw (no more than 30 times);
2. A small amount of precipitation is normal. When using, thaw it at room temperature and mix thoroughly by suction or vortex.