

## Product components

| Components      | Component number | Concentration | Size-1<br>100 µg |
|-----------------|------------------|---------------|------------------|
| T4 UvsY Protein | RM20549          | 2 mg/mL       | 50 µL            |

## Product Description

T4 UvsY Protein can help T4 UvsX Recombinase compete for primers that pre bind to single stranded DNA binding proteins. It promotes the binding of T4 UvsX Recombinase with primers to form a complex, searching for homologous sequences in double stranded DNA for strand displacement reactions. It is mainly used in recombinase polymerase amplification (RPA).

## Source

*E. coli* strain expressing T4 UvsY Protein gene, derived from *Enterobacteria phage T4*.

## Applications

Recombinase Polymerase Amplification (RPA)

**Molecular Weight** 15 kD

**Store** -20°C

## Inhibition and Inactivation

Inactivated by heating at 60 °C for 10 min

## Storage Buffer

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