

T4 UvsX Recombinase (2 µg/µL)

Product description

T4 UvsX Recombinase is derived from bacteriophage T4 and is a homolog of the RecA/Rad51 family. It plays an important role in double-strand DNA break repair and replication fork restart. T4 UvsX recombinase, together with other DNA-binding proteins or accessory factors, forms nucleoprotein complexes with single-stranded DNA (ssDNA). These complexes search for complementary regions in target DNA to complete hybridization and further accomplish strand-displacement reactions. This enzyme has no nuclease activity.

Product Information

Product Name	Catalog No.	Size
T4 UvsX Recombinase (2 µg/µL)	11079ES60	100 µg
	11079ES03	1 mg
	11079ES08	5 mg
	11079ES20	20 mg

Component Information

No.	Component Name	SKU /Specification			
		11079ES60 (100 µg)	11079ES03 (1 mg)	11079ES08 (5 mg)	11079ES20 (20 mg)
11079	T4 UvsX Recombinase (2 µg/µL)	50 µL	500 µL	2.5 mL	10 mL

Applications

Mainly used in isothermal amplification, such as Recombinase Polymerase Amplification (RPA).

Storage Buffer

50 mM Tris-HCl, 50 mM NaCl, 1 mM DTT, 0.1 mM EDTA, 20% Glycerol, pH 7.5 at 25°C.

Shipping and Storage

Shipped with ice packs. Store at -20°C. The shelf life is 2 years. Avoid repeated freeze-thaw cycles.

Notes

1. The storage buffer of T4 UvsX recombinase contains 20% glycerol. It is recommended to aliquot the enzyme and store separately to avoid repeated freeze-thaw cycles.
2. This product is for research use only.
3. For your safety and health, please wear a lab coat and disposable gloves during operation.