

## Tn5 Transposase

Transposase is an enzyme that binds to the end of a transposon and catalyzes its movement to another part of the genome by a “cut and paste” mechanism or a replicative transposition mechanism. Tn5 Transposase (Tnp) is a member of the RNase superfamily of proteins which includes retroviral integrases.

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### Product Information

Product Name	<a href="#">Tn5 Transposase</a>	Concentration	1,000 U/ml
Cat No.	<a href="#">NATE-1629</a>	Unit Definition	One unit Tn5 transposase is defined as the amount of enzyme that cleaves 1µg DNA fragment containing recognition sequence in 1 hour at 37°C.
EC No.	EC 2.7.7		
Source	E.coli		
Synonyms	Transposase		
Storage	Store at -20°C		

### Product Applications

Robust Tn5 Transposase recognizes inside end sequences, outside end sequences, and mosaic end sequences of Tn5 transposon. This enzyme can be used to randomly insert Tn5 transposon into target DNA. Applications of this product mainly include:

- *In vitro* transgenic experiment
- Random library construction for second-generation sequencing

Creative Enzymes also provides other enzyme products for research or industry uses. Please [contact us](#) for any product needs.

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