BIO BASIC
Quality-Affordable Research

Product information

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A-Tailing Kit

Catalog #: BS513 / BS514
Size: 40 preps / 100 preps
Storage: -20°C*

*: Product will be shipped with ice pack. Check storage conditions.

Product Description:

To clone blunt-ended PCR fragments generated by Pfu DNA polymerase or other enzymes to T-Vector, A-tailing reaction is required. This kit provides Taq DNA polymerase and dATP mix for adding single A to these blunt-ended DNA fragments. A tailed DNA fragments are easy to be prepared within 10 minutes.

Application:

Add single A to blunt-ended of PCR fragments or any other double-stranded DNA fragments.

Storage:

Store the kits at -20°C.

Composition:

Components	BS513 (40 Preps)	BS514 (100 Preps)
Taq DNA polymerase* (5U/µl)	240 U	600 U
10 x A-tailing buffer	500 µl	1 ml
dATP Mix (10mM)	50 µl	120 µl
Protocol	1	1

*Taq DNA polymerase is able to add a single A residue to the blunt-ended DNA fragments in the presence of only dATP.

Procedures:

1. To 100 ng of blunt-ended DNA fragment, add 5 µl of 10A-Tailing Buffer, 1 µl dATP and 5U of Taq DNA polymerase.
2. Incubate the mixture at 72°C for 5-10 minutes.
3. Keep the above DNA fragment with additional A residue at 3' end at -20°C. The fragment can be cleaned up by using EZ-10 Spin Column PCR product Purification Kit (BS363).