Ver. HB221028

Hieff NGS™ 384 CDI Primer for Illumina Set2

Product description

Hieff NGS™ 384 CDI Primers for Illumina are two special kits designed for DNA library preparation for Illumina platforms, each set contains the PE adapter, 8 kinds of i5 index primers and 12 kinds of i7 index primers. Set1 and Set 2 can provide a total of 384 kinds of dual index combinations. All the reagents provided in the kits are subjected strict quality control and functional verification to ensure the maximum stability and repeatability of the library preparation.

Components

Components No.	Name	Volume
12413ES02	PE Adapter	2×336 μL
	P509-516	60 μL each
	P713-724	40 μL each

Specifications

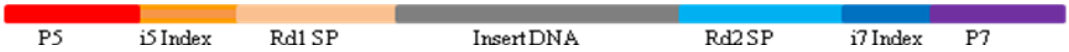
Product Line	Illumina adapter
Starting Material	DNA
Index type	CDI
Workflow Step	Library Barcoding
Library type	Dual-indexed fragment libraries

Shipping and Storage

All the components are shipped with dry ice and can be stored at -15°C~ -25°C for 18 months.

Instructions

The structure of libraries prepared with Hieff NGS™ Stubby UDI Primer Kit for Illumina(Cat#12412/12413) are as follows:



PE Adapter for Illumina:

5´-/5Phos/ GATCGGAAGAGCACACGTCTGAACTCCAGT*C -3´

5´-ACACTCTTTCCCTACACGACGCTCTTCCGATC*T-3´

i5 Index Primer for Illumina:

5´-AATGATACGGCGACCACCGAGATCTACAC**[i5 Index]**ACACTCTTTCCCTACACGACGCTCTTCCGATCT -3´

i7 Index Primer for Illumina:

5´-CAAGCAGAAGACGGCATACGAGAT**[i7 Index]**GTGACTGGAGTTCAGACGTGTGCTCTTCCGATC-3´

i5 index sequence

i5 Index Primers name	Index	Sample Sheet input Index	
		NovaSeq 6000 v1.0 reagents, MiSeq, HiSeq 2000/2500	NovaSeq 6000 v1.5 reagents, MiniSeq, NextSeq, HiSeq 3000/4000
P501	TATAGCCT	TATAGCCT	AGGCTATA
P502	ATAGAGGC	ATAGAGGC	GCCTCTAT
P503	CCTATCCT	CCTATCCT	AGGATAGG
P504	GGCTCTGA	GGCTCTGA	TCAGAGCC
P505	AGGCGAAG	AGGCGAAG	CTTCGCCT
P506	TAATCTTA	TAATCTTA	TAAGATTA
P507	CAGGACGT	CAGGACGT	ACGTCCTG
P508	GTACTGAC	GTACTGAC	GTCAGTAC
P509	GACCTGTA	GACCTGTA	TACAGGTC
P510	ATGTAACT	ATGTAACT	AGTTACAT
P511	GTTTCAGA	GTTTCAGA	TCTGAAAC
P512	CACAGGAT	CACAGGAT	ATCCTGTG
P513	TAGCTGCC	TAGCTGCC	GGCAGCTA
P514	AGCGAATG	AGCGAATG	CATTCGCT
P515	TATGCTGC	TATGCTGC	GCAGCATA
P516	AGAAGACT	AGAAGACT	AGTCTTCT

i7 index Sequence

i7 Index Primers name	Index	Sample Sheet input Index
P701	CGAGTAAT	ATTACTCG
P702	TCTCCGGA	TCCGGAGA
P703	AATGAGCG	CGCTCATT
P704	GGAATCTC	GAGATTCC
P705	TTCTGAAT	ATTCAGAA
P706	ACGAATTC	GAATTCGT
P707	AGCTTCAG	CTGAAGCT
P708	GCGCATTA	TAATGCGC
P709	CATAGCCG	CGGCTATG
P710	TTCGCGGA	TCCGCGAA
P711	GCGCGAGA	TCTCGCGC
P712	CTATCGCT	AGCGATAG
P713	CCTACACG	CGTGTAGG
P714	GTAGTGTC	GACACTAC
P715	TGTATGCA	TGCATACA
P716	CCAGACTG	CAGTCTGG
P717	AGGTGCCA	TGGCACCT
P718	TCACCTTG	CAAGGTGA
P719	GTATCTTT	AAAGATAC
P720	CAGCTCCA	TGGAGCTG
P721	TCGCCTTA	TAAGGCGA
P722	CTAGTACG	CGTACTAG
P723	AGCGTAGC	GCTACGCT
P724	GAGCCTCG	CGAGGCTC

Notes

1. The concentration of DNA adapters in these kits is 15μM. The concentration of primers are 25μM. The amount of adapters and primers when construct a single library should be adjusted according to the Library preparation Kit protocol.
2. The PE adapters provided in these kits are universal adapters that require PCR amplification to obtain a complete library.
3. Do not heat the adapters. They should be dissolved slowly at room temperature. It is best to set the laboratory temperature at 20-25°C. Avoid repeated freezing and thawing of the adapters. It is recommended to store them in separate packs. The adapters can be stored at 4°C for a short time.
4. For your safety and health, please wear experimental clothes and disposable gloves.
5. For research use only.