



Ver. HB221028

Hieff NGS™ Stubby UDI Primer Kit for Illumina (12 Index)

Product description

Hieff NGS™ Stubby UDI Primer Kit for Illumina are four special kits for DNA library preparation for Illumina platforms, contain 12/96/192/384 kinds of indexed primers and PE adapter for NGS library preparation. The UDI Primers in all the Kits are the mix of i5 and i7 Primers. 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
12404ES01	PE Adapter	84 μL
	UDI Primer 0001-0012	10 μL each

Specifications

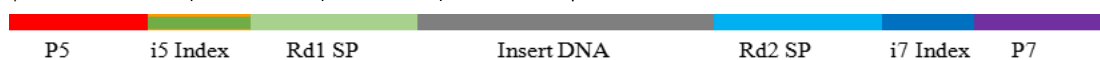
Product Line	Illumina platform adapter
Starting Material	DNA
Index type	UDI
Workflow Step	Library Barcoding
Index number	Index1-12 of 384 index
Library type	Unique Dual-indexed fragment libraries

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#12404ES01/12405ES01/12406ES2/12407ES02) 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´



Index_ID	i7 Index Sequence when sequencing	I5 Index Sequence when sequencing		Index_ID	I7 Index Sequence when sequencing	I5 Index Sequence when sequencing	
		NovaSeq V1.0 reagents, MiSeq, HiSeq2000/2500	NovaSeq V1.5 reagents, MiniSeq,Next Seq,HiSeq3000/4000			NovaSeq V1.0 reagents, MiSeq, HiSeq2000/2500	NovaSeq V1.5 reagents, MiniSeq,Next Seq,HiSeq3000/4000
UDI-P0001	AATCGTTA	AATAACGT	ACGTTATT	UDI-P0193	ATAATGTA	AATGAACC	GGTTCATT
UDI-P0002	GTCTACAT	TTCTTGAA	TTCAAGAA	UDI-P0194	TCGTACCG	GGAAGTGG	CCACTTCC
UDI-P0003	CGCTGCTC	GGCAGATC	GATCTGCC	UDI-P0195	GTTATTAT	CGCTAAGC	GCTTAGCG
UDI-P0004	GATCAACA	CTATGTTA	TAACATAG	UDI-P0196	ACAGAAGC	GTCATAGC	GCTATGAC
UDI-P0005	CGAAGGAC	GTTGACGC	GCGTCAAC	UDI-P0197	TTGATAAT	GTGACCAT	ATGGTCAC
UDI-P0006	GATGCCGG	ATCTACGA	TCGTAGAT	UDI-P0198	ACATCGGA	GAAGTTGA	TCAACTTC
UDI-P0007	CTACGAAG	CTCGACAG	CTGTGCGAG	UDI-P0199	ACATCTAG	CGCTACCG	CGGTAGCG
UDI-P0008	GATGCGTC	GAGGCTGC	GCAGCCTC	UDI-P0200	GTGAGTGT	CGCCTCTT	AAGAGGCG
UDI-P0009	CTACGGCA	CCTCGTAG	CTACGAGG	UDI-P0201	ACATCACC	GTTCTGGA	TCCAGAAC
UDI-P0010	GATTCCTT	CATAGGCA	TGCCTATG	UDI-P0202	TTGAACGC	GAGATGCC	GGCATCTC
UDI-P0011	CTACTCGA	AGATGAAC	GTTTCATCT	UDI-P0203	ACATGGAT	GGTTAGCC	GGCTAACC
UDI-P0012	GATTCGAG	CCGAGTAT	ATACTCGG	UDI-P0204	TGGCAGAG	GGCTCGAC	GTCGAGCC

Notes

1. The concentration of PE adapters in these kits is 15μM, the concentration UDI Primers are 12.5μM. The amounts 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 on ice. 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.