Ver. HB221028

Hieff NGS™ Stubby UDI Primer Kit for Illumina (96 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
12405ES01	PE Adapter	2×336 μL
	UDI Primer 0001-0096	10 μL each

Specifications

Product Line	Illumina platform adapter
Starting Material	DNA
Index type	UDI
Workflow Step	Library Barcoding
Index number	Index1-96 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	
		NovaSeq V1.0 reagents, MiSeq, HiSeq2000/2500	NovaSeq V1.5 reagents, MiniSeq,NextSeq,HiSeq3000/4000
UDI-P0001	AATCGTTA	AATAACGT	ACGTTATT
UDI-P0002	GTCTACAT	TTCTTGAA	TTCAAGAA
UDI-P0003	CGCTGCTC	GGCAGATC	GATCTGCC
UDI-P0004	GATCAACA	CTATGTTA	TAACATAG
UDI-P0005	CGAAGGAC	GTTGACGC	GCGTCAAC
UDI-P0006	GATGCCGG	ATCTACGA	TCGTAGAT
UDI-P0007	CTACGAAG	CTCGACAG	CTGTCGAG
UDI-P0008	GATGCGTC	GAGGCTGC	GCAGCCTC
UDI-P0009	CTACGGCA	CCTCGTAG	CTACGAGG
UDI-P0010	GATTCCTT	CATAGGCA	TGCCTATG
UDI-P0011	CTACTCGA	AGATGAAC	GTTCATCT
UDI-P0012	GATTCGAG	CCGAGTAT	ATACTCGG
UDI-P0013	AATCGGCG	AATATTGA	TCAATATT
UDI-P0014	TTCGCCGA	GTATACCG	CGGTATAC
UDI-P0015	CTGGCCTC	GATCCAAC	GTTGGATC
UDI-P0016	GAACTTAT	AGATACGC	GCGTATCT
UDI-P0017	CGTATTGG	GGTATCTT	AAGATACC
UDI-P0018	GAAGCACA	CCTCTGGC	GCCAGAGG
UDI-P0019	CTTAATAC	CCATTGTG	CACAATGG
UDI-P0020	GAAGTCTT	ACTACGGT	ACCGTAGT
UDI-P0021	GAAGAGGC	AAGTGCTA	TAGCACTT
UDI-P0022	CGGATAAC	GCCGAACG	CGTTCGGC
UDI-P0023	GAATCTGG	TGTCCACG	CGTGGACA
UDI-P0024	CTGATTGA	GACACACT	AGTGTGTC
UDI-P0025	AATCCGTT	AATATGCT	AGCATATT
UDI-P0026	TGCGTACA	TTCTCATA	TATGAGAA
UDI-P0027	GAATCAAT	TCTGTGAT	ATCACAGA
UDI-P0028	TGAGTCAG	CCGAACTT	AAGTTCGG
UDI-P0029	GAATGCTC	GTCTAACA	TGTTAGAC
UDI-P0030	GAATATCC	GACGCCAT	ATGGCGTC
UDI-P0031	CTTATGAA	GCCAATGT	ACATTGGC
UDI-P0032	TCGGCACC	CCAACGTC	GACGTTGG
UDI-P0033	AAGAAGCG	GTAGATAA	TTATCTAC

UDI-P0034	CTCACGAT	CTTACGGC	GCCGTAAG
UDI-P0035	TCGGTCGA	CCAAGTGC	GCACTTGG
UDI-P0036	TCGGTAAG	CTAACTCA	TGAGTTAG
UDI-P0037	AAGATACA	AATATCTG	CAGATATT
UDI-P0038	GTCGCTGT	TTATATCA	TGATATAA
UDI-P0039	TCGGATGT	CTGCGGAT	ATCCGCAG
UDI-P0040	CGAGCCGG	GCGGCTTG	CAAGCCGC
UDI-P0041	CGATTATC	GAGTTGAT	ATCAACTC
UDI-P0042	TCGAAGCT	GCACTGAG	CTCAGTGC
UDI-P0043	CTATCATT	GACCACCT	AGGTGGTC
UDI-P0044	CGCGCCAA	TGGCTAGG	CCTAGCCA
UDI-P0045	CGAACGGA	CCTACCGG	CCGGTAGG
UDI-P0046	CTACTGAC	GGAGGATG	CATCCTCC
UDI-P0047	TCTTAAGT	CGCTGAAT	ATTCAGCG
UDI-P0048	TTAGAGTC	TGTGACGA	TCGTCACA
UDI-P0049	AAGACGAA	AATAGATT	AATCTATT
UDI-P0050	TTATTATG	TTAGCGCA	TGCGCTAA
UDI-P0051	CGCTATTA	GCGGCCGT	ACGGCCGC
UDI-P0052	TCTATCAG	CAGTAACC	GGTTACTG
UDI-P0053	CGGTGGTA	GCCTAGTA	TACTAGGC
UDI-P0054	TCACCAAT	CACGGCGC	GCGCCGTG
UDI-P0055	CTGGAAGC	GGTGCAGA	TCTGCACC
UDI-P0056	CGTAAGAG	TCGCTGAC	GTCAGCGA
UDI-P0057	AAGAGAGC	CAGCCAGT	ACTGGCTG
UDI-P0058	TCAACGAG	CGTCAACC	GGTTGACG
UDI-P0059	TGCGAGAC	GCCGGCGA	TCGCCGGC
UDI-P0060	CCTGGTGT	GCCTCCGG	CCGGAGGC
UDI-P0061	AAGTAAGT	AATAGTCC	GGACTATT
UDI-P0062	TGACTGAA	TTAGACGT	ACGTCTAA
UDI-P0063	AAGACTGT	GTGGACTA	TAGTCCAC
UDI-P0064	CAATGATG	CACGGACG	CGTCCGTG
UDI-P0065	CACAGTAA	CACTAGAG	CTCTAGTG
UDI-P0066	TGGTCATT	GCAGATGG	CCATCTGC
UDI-P0067	CAACCGTG	CTCTCACG	CGTGAGAG
UDI-P0068	TGGTGCAC	GGAATCAC	GTGATTCC
UDI-P0069	CCACAATG	CGTTGACG	CGTCAACG
UDI-P0070	TGTGTGCC	CATCAGGT	ACCTGATG
UDI-P0071	CACCACGG	CGTTGTAA	TTACAACG

UDI-P0072	TGTGTTAA	GGCACGGT	ACCGTGCC
UDI-P0073	AAGTTATC	AATAGCAA	TTGCTATT
UDI-P0074	GTACAGCT	TGATCGGT	ACCGATCA
UDI-P0075	CAACTGCT	AGTAGTAT	ATACTACT
UDI-P0076	CATGATGA	GTTAGAGG	CCTCTAAC
UDI-P0077	TGACTACT	CCTTACAG	CTGTAAGG
UDI-P0078	CAGAAGAT	GTACATTG	CAATGTAC
UDI-P0079	TGAGGCGC	GGAGACCA	TGGTCTCC
UDI-P0080	CAGGTTCC	CGAACACC	GGTGTTCG
UDI-P0081	TGAACAGG	GAGAACAA	TTGTTCTC
UDI-P0082	CAGTGTGG	TGTGAATC	GATTCACA
UDI-P0083	TTCCACCA	GGTTAAGG	CCTTAACC
UDI-P0084	CCGCTGTT	AGACCGCA	TGCGGTCT
UDI-P0085	AAGTTGGA	AATACAGG	CCTGTATT
UDI-P0086	GGACAACG	TGATGGCC	GGCCATCA
UDI-P0087	TTCGAACC	TGTCACCT	AGGTGACA
UDI-P0088	CAGACCAC	GCTTCGGC	GCCGAAGC
UDI-P0089	TTCTGGTG	CCAGTGGT	ACCACTGG
UDI-P0090	CAATCGAA	GCACACGC	GCGTGTGC
UDI-P0091	AAGTACAG	GTCACGTC	GACGTGAC
UDI-P0092	CCGTGCCA	GCAGCTCC	GGAGCTGC
UDI-P0093	CATTGCAC	CATGCAGC	GCTGCATG
UDI-P0094	TTACCTGG	ACGATTGC	GCAATCGT
UDI-P0095	CTGCAACG	GACATTCG	CGAATGTC
UDI-P0096	TACTGTTA	GCGAATAC	GTATTCGC

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.