Truncated DNA Adapter Plate for Illumina

RK21731 Set_A (96 indices)

RK21732 Set_B (96 indices)

RK21733 Set_C (96 indices)

RK21734 Set_D (96 indices)

RK21735 Set_E (96 indices)

RK21736 Set_F (96 indices)

RK21737 Set_G (96 indices)

RK21738 Set_H (96 indices)

RK21739 Set_I (96 indices)

RK21740 Set_J (96 indices)

RK21741 Set_K (96 indices)

RK21742 Set_L (96 indices)

RK21743 Set_M (96 indices)

RK21744 Set_N (96 indices)

RK21745 Set_O (96 indices)

RK21746 Set_P (96 indices)

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1. Introduction

ABclonal Truncated DNA Adapter Plate for Illumina contains 1,536 unique dual-index combinations located on the P5 and P7 ends, with each P5-P7 index pair being uniquely assigned and never appearing in any other combination. This product is designed for high-throughput multiplexed sequencing of large numbers of samples. The Truncated DNA Adapter Plate for Illumina includes a truncated adapter at a concentration of 15 μM, along with UDI Primers featuring different index combinations. The truncated adapter is used during the DNA ligation step, and the UDI Primers are used during the library PCR amplification step.

This product is suitable for both DNA and RNA library construction and is specifically designed for library preparation on the Illumina high-throughput sequencing platform. The product has undergone rigorous quality control and functional validation to ensure maximum library construction stability and minimal cross-contamination.

2. Components

Catalog No.	Product Name	Size	Primer Count
RK21731	Truncated DNA Adapter Plate for Illumina Set A (10 nt, UDI Primers 1-96)	5 μL_each	96
RK21732	Truncated DNA Adapter Plate for Illumina Set B (10 nt, UDI Primers 97-192)	5 μL_each	96
RK21733	Truncated DNA Adapter Plate for Illumina Set C (10 nt, UDI Primers 193-288)	5 μL_each	96
RK21734	Truncated DNA Adapter Plate for Illumina Set D (10 nt, UDI Primers 289-384)	5 μL_each	96
RK21735	Truncated DNA Adapter Plate for Illumina Set E (10 nt, UDI Primers 385-480)	5 μL_each	96
RK21736	Truncated DNA Adapter Plate for Illumina Set F (10 nt, UDI Primers 481-576)	5 μL_each	96
RK21737	Truncated DNA Adapter Plate for Illumina Set G (10 nt, UDI Primers 577-672)	5 μL_each	96

Catalog No.	Product Name	Size	Primer Count
RK21738	Truncated DNA Adapter Plate for Illumina Set H (10 nt, UDI Primers 673-768)	5 μL_each	96
RK21739	Truncated DNA Adapter Plate for Illumina Set I (10 nt, UDI Primers 769-864)	5 μL_each	96
RK21740	Truncated DNA Adapter Plate for Illumina Set J (10 nt, UDI Primers 865-960)	5 μL_each	96
RK21741	Truncated DNA Adapter Plate for Illumina Set K (10 nt, UDI Primers 961-1056)	5 μL_each	96
RK21742	Truncated DNA Adapter Plate for Illumina Set L (10 nt, UDI Primers 1057-1152)	5 μL_each	96
RK21743	Truncated DNA Adapter Plate for Illumina Set M (10 nt, UDI Primers 1153-1248)	5 μL_each	96
RK21744	Truncated DNA Adapter Plate for Illumina Set N (10 nt, UDI Primers 1249-1344)	5 μL_each	96
RK21745	Truncated DNA Adapter Plate for Illumina Set O (10 nt, UDI Primers 1345-1440)	5 μL_each	96
RK21746	Truncated DNA Adapter Plate for Illumina Set P (10 nt, UDI Primers 1141-1536)	5 μL_each	96

3. Storage

Store at -20°C

4. Applications

- ✧ Rapid Plus DNA Lib Prep Kit
- ✧ FS DNA Lib Prep Kit
- ✧ RNA Lib Prep Kit

5. Directions for use

1. This product is a Illumina truncated adapter and UDI primer set. During use, add the Truncated Adapter at the ligation step and the UDI Primer at the PCR step.
2. At the ligation step, do not pre-mix the Truncated Adapter with the ligase, as this will generate large amounts of adapter dimers and severely compromise library yield.
3. Reagents stored at -20°C must be thawed completely, vortexed to mix, and briefly centrifuged before use.

6. Sequence

i5 Primer:

5'-AATGATACGGCGACCACCGAGATCTACAC[i5index]ACACTCTTTCCCTACACGACGCTCTTCCGATC*T-3'

i7 Primer:

5'-CAAGCAGAAGACGGCATACGAGAT[i7index]GTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'

7. Well Layout

Truncated DNA Adapter Plate for Illumina Set A (10 nt, UDI Primers 1-96)（RK21731）

	1	2	3	4	5	6	7	8	9	10	11	12
A	UDI 1	UDI 2	UDI 3	UDI 4	UDI 5	UDI 6	UDI 7	UDI 8	UDI 9	UDI 10	UDI 11	UDI 12
B	UDI 13	UDI 14	UDI 15	UDI 16	UDI 17	UDI 18	UDI 19	UDI 20	UDI 21	UDI 22	UDI 23	UDI 24
C	UDI 25	UDI 26	UDI 27	UDI 28	UDI 29	UDI 30	UDI 31	UDI 32	UDI 33	UDI 34	UDI 35	UDI 36
D	UDI 37	UDI 38	UDI 39	UDI 40	UDI 41	UDI 42	UDI 43	UDI 44	UDI 45	UDI 46	UDI 47	UDI 48
E	UDI 49	UDI 50	UDI 51	UDI 52	UDI 53	UDI 54	UDI 55	UDI 56	UDI 57	UDI 58	UDI 59	UDI 60
F	UDI 61	UDI 62	UDI 63	UDI 64	UDI 65	UDI 66	UDI 67	UDI 68	UDI 69	UDI 70	UDI 71	UDI 72
G	UDI 73	UDI 74	UDI 75	UDI 76	UDI 77	UDI 78	UDI 79	UDI 80	UDI 81	UDI 82	UDI 83	UDI 84
H	UDI 85	UDI 86	UDI 87	UDI 88	UDI 89	UDI 90	UDI 91	UDI 92	UDI 93	UDI 94	UDI 95	UDI 96

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Truncated DNA Adapter Plate for Illumina Set P (10 nt, UDI Primers 1441-1536)（RK21746）

	1	2	3	4	5	6	7	8	9	10	11	12
A	UDI 1441	UDI 1442	...	...	...	...	...	...	...	...	...	...
B	UDI 1453	...	...	...	...	...	...	...	...	...	...	...
C	UDI 1465	...	...	...	...	...	...	...	...	...	...	...
D	UDI 1477	...	...	...	...	...	...	...	...	...	...	...
E	UDI 1489	...	...	...	...	...	...	...	...	...	...	...
F	UDI 1501	...	...	...	...	...	...	...	...	...	...	...
G	UDI 1513	...	...	...	...	...	...	...	...	...	...	...
H	UDI 1525	...	...	...	...	...	...	...	...	...	...	...

Note: Indices are arranged horizontally in sequential order. For the index sequence information corresponding to each well position, please contact ABclonal sales representatives or other ABclonal staff directly.

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