NGS Truncated UDI Primer Kit for Illumina, Set1 (Plate, 1-96)

Cat.No.: HYD321

Product Description

NGS Truncated UDI Primer Kit for Illumina is a specialized adapter kit designed for library preparation of Illumina high-throughput sequencing platform. it includes PE Adapters and UDI Primers that are commonly used in next-generation sequencing library preparation.The kit is all in plate packaging, providing 96 kinds of indexes respectively, and can construct up to 384 kinds of libraries with double-ended unique index. All reagents provided in the kit have undergone strict quality control and functional verification, which ensures the stability and repeatability of library construction to the greatest extent.

Components

Cat.No.	Components	96×1 T	96×2 T
HYD321	PE Adapter	336 μL	672 μL
	UDI Primer 001-096	5 μL each	10 μL each
HYD322	PE Adapter	336 μL	672 μL
	UDI Primer 097-192	5 μL each	10 μL each
HYD323	PE Adapter	336 μL	672 μL
	UDI Primer 193-288	5 μL each	10 μL each
HYD324	PE Adapter	336 μL	672 μL
	UDI Primer 289-384	5 μL each	10 μL each

Storage

Store at -15℃~ -25℃ for 2 years.

Notes

1. The concentration of PE Adapter in this kit is 15 μM.The usage of adapter is adjustable to meet the require of library kits.
2. The PE Adapter in this kit is a universal short adapter, and a complete library needs to be obtained by PCR amplification.

3. UDI Primer provides an index sequence tag with a concentration of 12.5 μM, which is used to distinguish samples in high-throughput sequencing.
4. Do not heat the adapter, let it dissolve slowly at room temperature, and the laboratory temperature should beset to 20-25°c. Avoid repeated freezing and thawing of joints. it is recommended to store them separately and temporarily at 4°C.
5. The DNA library construction using the NGS Truncated UDI Primer Kit for Illumina follows the following structure:



6. For your safety and health, please wear a lab coat and wear disposable gloves.
7. This product is for research use only.

Sequence information

1. PE Adapter for Illumina

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

5′-ACACTCTTTCCCTACACGACGCTCTTCCGATC*T-3′

2. i5 Index Primer for Illumina

5′-AATGATACGGCGACCACCGAGATCTACAC[i5Index]ACACTCTTTCCCTACACGACGCTCTTCCGATCT-3′

3. i7 Index Primer for Illumina

5′-CAAGCAGAAGACGGCATACGAGAT[i7Index]GTGACTGGAGTTCAGACGTGTGCTCTTCCGATC-3′

4. [i5 Index] 8 bp i5 Index sequence，[i7 Index]8 bp i7 Index sequence

5. The corresponding locations of each primer in 96-well plate are shown.The corresponding index information of each board position can be obtained by directly contacting Hyasen sales.

Set 1

	1	2	3	4	5	6	7	8	9	10	11	12
A	**01**	**09**	**17**	**25**	**33**	**41**	**49**	**57**	**65**	**73**	**81**	**89**
B	02	10	18	26	34	42	50	58	66	74	82	90
C	03	11	19	27	35	43	51	59	67	75	83	91
D	04	12	20	28	36	44	52	60	68	76	84	92
E	05	13	21	29	37	45	53	61	69	77	85	93
F	06	14	22	30	38	46	54	62	70	78	86	94
G	07	15	23	31	39	47	55	63	71	79	87	95
H	08	16	24	32	40	48	56	64	72	80	88	96

Set 2

	1	2	3	4	5	6	7	8	9	10	11	12
A	97	105	113	121	129	137	145	153	161	169	177	185
B	98	106	114	122	130	138	146	154	162	170	178	186
C	99	107	115	123	131	139	147	155	163	171	179	187
D	100	108	116	124	132	140	148	156	164	172	180	188
E	101	109	117	125	133	141	149	157	165	173	181	189
F	102	110	118	126	134	142	150	158	166	174	182	190
G	103	111	119	127	135	143	151	159	167	175	183	191
H	104	112	120	128	136	144	152	160	168	176	184	192

Set3

	1	2	3	4	5	6	7	8	9	10	11	12
A	193	201	209	217	225	233	241	249	257	265	273	281
B	194	202	210	218	226	234	242	250	258	266	274	282
C	195	203	211	219	227	235	243	251	259	267	275	283
D	196	204	212	220	228	236	244	252	260	268	276	284
E	197	205	213	221	229	237	245	253	261	269	277	285
F	198	206	214	222	230	238	246	254	262	270	278	286
G	199	207	215	223	231	239	247	255	263	271	279	287
H	200	208	216	224	232	240	248	256	264	272	280	288

Set4

	1	2	3	4	5	6	7	8	9	10	11	12
A	289	297	305	313	321	329	337	345	353	361	369	377
B	290	298	306	314	322	330	338	346	354	362	370	378
C	291	299	307	315	323	331	339	347	355	363	371	379
D	292	300	308	316	324	332	340	348	356	364	372	380
E	293	301	309	317	325	333	341	349	357	365	373	381
F	294	302	310	318	326	334	342	350	358	366	374	382
G	295	303	311	319	327	335	343	351	359	367	375	383
H	296	304	312	320	328	336	344	352	360	368	376	384