

Subtelomere (LPTxxxR/G) and TeloMark (LPT MRK) Loci Data



Selection Guide

- Probe size
- Precise chromosomal location
- Subtelomeric (LPTxxxR/G)
- TeloMark (LPT MRK) probes

Subtelomere (LPTxxxR/G) and TeloMark (LPT MRK) Loci Data

Chromosome specificity	Subtelomere (LPTxxxR/G)				
	Product Code	Clone	Start	Stop	Size (bp)
1p	LPT01PR/G	CEB108	987,392	1,145,941	158,550
1q	LPT01QR/G	160H23	249,063,042	249,197,464	134,423
2p	LPT02PR/G	892G20	17,887	154,482	136,596
2q	LPT02QR/G	1011O17	242,822,542	242,922,547	100,005
2q(NP)*	LPT02QNPR/G	172I13	242,816,154	242,888,764	72,611
3p	LPT03PR/G	1186B18	211,793	324,483	112,691
3q	LPT03QR/G	196F4	196,892,652	197,064,259	171,608
4p	LPT04PR/G	36P21	65,609	217,245	151,637
4q	LPT04QR/G	963K6	190,701,589	190,783,265	81,677
5p	LPT05PR/G	189N21	2,254,481	2,446,429	191,949
5q	LPT05QR/G	240G13	180,579,750	180,694,046	114,297
6p	LPT06PR/G	62I11	145,929	262,683	116,755
6q	LPT06QR/G	57H24	170,780,810	170,886,127	105,318
7p	LPT07PR/G	109a6	117,966	158,029	40,064
7q	LPT07QR/G	2000a5	158,962,881	159,000,270	37,390
8p	LPT08PR/G	580L5	149,747	262,613	112,867
8q	LPT08QR/G	489D14	146,058,064	146,163,129	105,066
9p	LPT09PR/G	43N6	226,454	315,171	88,718
9q	LPT09QR/G	112N13	140,957,629	141,046,433	88,805
10p	LPT10PR/G	306F7	269,601	375,115	105,515
10q	LPT10QR/G	137E24	135,221,928	135,397,857	175,930
11p	LPT11PR/G	908H22	188,211	277,214	89,004
11q	LPT11QR/G	77OG7	131,454,807	131,559,967	105,161
12p	LPT12PR/G	496A11	769,902	903,188	133,287
12q	LPT12QR/G	221K18	133,598,580	133,762,869	164,290
13q†	LPT13QR/G	163C9	114,215,870	114,347,428	131,559
14q	LPT14QR/G	820M16	107,104,977	107,207,168	102,192
15q	LPT15QR/G	154P1	102,097,444	102,204,539	107,096
16p	LPT16PR/G	12I14	146,731	291,497	144,767
16q	LPT16QR/G	240G10	89,906,894	90,025,258	118,365
17p†	LPT17PR/G	2111b1	143,438	188,776	45,339
17q	LPT17QR/G	362K4	81,078,246	81,161,210	82,965
18p	LPT18PR/G	74G18	141,336	304,564	163,229
18q	LPT18QR/G	964M9	77,838,427	77,922,743	84,317
19p	LPT19PR/G	546C11	259,759	355,570	95,812
19q	LPT19QR/G	F21283	58,910,973	59,079,932	168,960
20p	LPT20PR/G	1061I1	165,342	296,736	131,395
20q	LPT20QR/G	81F12	62,759,771	62,922,649	162,879
21q	LPT21QR/G	63H24	47,942,398	48,101,507	159,110
22q	LPT22QR/G	99K24	51,106,214	51,203,349	97,136
XpYp	LPTXYPR/G	839D20	343,535	506,507	162,973
XqYq	LPTXYQR/G	225F6	155,207,842	155,215,084	7,243
		C8.2/1	155,099,794	155,139,071	39,278

*Non-polymorphic.

†The probe loci information is based on Ensembl Genome build 37 (GRCh37), with the exception of probes located on 13q and 17p which are GRCh38. This information is correct as of March 2021.

Subtelomere (LPTxxxR/G) and TeloMark (LPT MRK) Loci Data

Chromosome specificity	TeloMark (LPT MRK)				
	Product Code	Clone	Start	Stop	Size (bp)
1p	LPT MRK01	MCL-00016491 (IP2AH81ZB04)	848,167	1,005,132	156,965
1q	LPT MRK01	160H23	249,063,042	249,197,464	134,423
2p	LPT MRK02	892G20	17,887	154,482	136,596
-	-	-	-	-	-
2q(NP)*	LPT MRK02	172I13	242,816,154	242,888,764	72,611
3p	LPT MRK03	1186B18	211,793	324,483	112,691
3q	LPT MRK03	MCL-00002594 (IP2AB31ZH12)	197,531,363	197,633,957	102,595
4p	LPT MRK04	36P21	65,609	217,245	151,637
4q	LPT MRK04	963K6	190,701,589	190,783,265	81,677
5p	LPT MRK05	MCL-0004690 (IP2AB92ZC08)	372,438	507,269	134,831
5q	LPT MRK05	240G13	180,579,750	180,694,046	114,297
6p	LPT MRK06	62I11	145,929	262,683	116,755
6q	LPT MRK06	57H24	170,780,810	170,886,127	105,318
7p	LPT MRK07	109a6	117,966	158,029	40,064
7q	LPT MRK07	2000a5	158,962,881	159,000,270	37,390
8p	LPT MRK08	MCL-00018063 (IP2AH64ZC05)	406,653	538,885	132,232
8q	LPT MRK08	489D14	146,058,064	146,163,129	105,066
9p	LPT MRK09	43N6	226,454	315,171	88,718
9q	LPT MRK09	MCL-00008980 (IP2AB30ZC08)	140,673,502	140,828,721	155,219
10p	LPT MRK10	306F7	269,601	375,115	105,515
10q	LPT MRK10	MCL-00013439 (IP2AH70ZE11)	135,276,843	135,426,857	150,015
11p	LPT MRK11	908H22	188,211	277,214	89,004
11q	LPT MRK11	MCL-00003499 (IP2AB63ZC02)	134,135,198	134,242,690	107,493
12p	LPT MRK12	496A11	769,902	903,188	133,287
12q	LPT MRK12	221K18	133,598,580	133,762,869	164,290
13q†	LPT MRK06	163C9	114,215,870	114,347,428	131,559
14q	LPT MRK07	820M16	107,104,977	107,207,168	102,192
15q	LPT MRK10	154P1	102,097,444	102,204,539	107,096
16p	LPT MRK13	12I14	146,731	291,497	144,767
16q	LPT MRK13	240G10	89,906,894	90,025,258	118,365
17p†	LPT MRK08	2111b1	143,438	188,776	45,339
17q	LPT MRK09	MCL-00020030 (IP2AN18ZH06)	80,715,554	80,799,060	83,506
18p	LPT MRK11	74G18	141,336	304,564	163,229
18q	LPT MRK12	964M9	77,838,427	77,922,743	84,317
19p	LPT MRK14	546C11	259,759	355,570	95,812
19q	LPT MRK14	MCL-00007882 (IP2AB98ZG03) + F21283	58,791,623	59,079,932	288,309
20p	LPT MRK15	106I11	165,342	296,736	131,395
20q	LPT MRK15	81F12	62,759,771	62,922,649	162,879
21q	LPT MRK04	63H24	47,942,398	48,101,507	159,110
22q	LPT MRK03	99K24	51,106,214	51,203,349	97,136
XpYp	LPT MRK01	MCL-00020532 (IP2AN28ZB09) + MCL-00007366 (IP2AB133ZC04)	288,322	457,369	169,047
XqYq	LPT MRK02	225F6	155,207,842	155,215,084	7,243
	-	-	-	-	-

*Non-polymorphic.

†The probe loci information is based on Ensembl Genome build 37 (GRCh37), with the exception of probes located on 13q and 17p which are GRCh38. This information is correct as of March 2021.



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