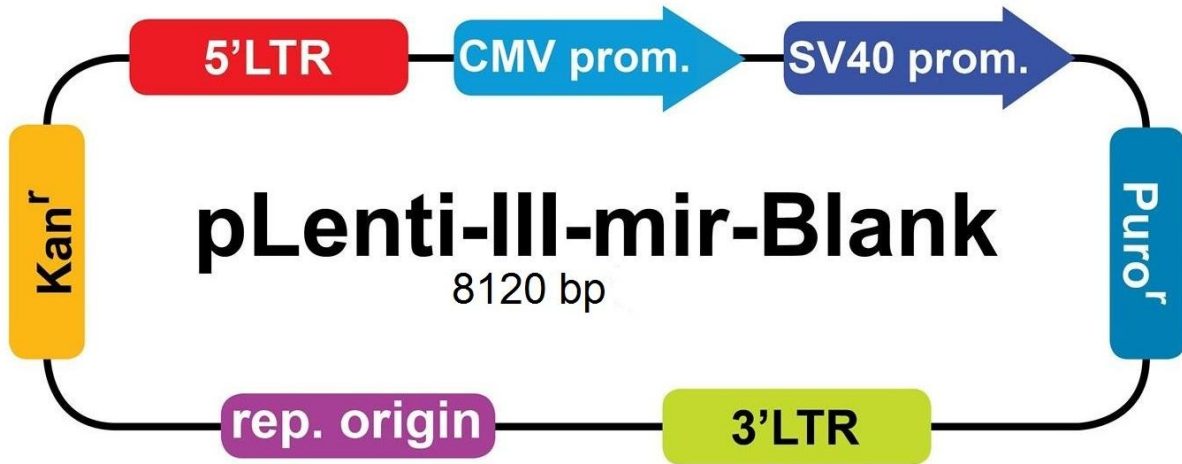


**Product Description:**

**Product Name:** pLenti-III-mir Control Vector  
**Cat Number:** m003  
**Lot Number:** MC8054

**Vector Map:**



**QC method:** Sequencing with CMV forward

**Sequencing Alignment:**

											Section 36
Reference sequence	(2696)	2696	2710	2720	2730	2740	2750	2760	2772		
CMV Forward	(1)	TTCC TACTTGGCAGTACATCTACGTTTAGTCATCGCTATTACCATGGTGATGCGGTTTTGGCAGTACATCAATGGGC									
											Section 37
Reference sequence	(2773)	2773	2780	2790	2800	2810	2820	2830	2849		
CMV Forward	(1)	GTGGATAGCGGTTTTGACTCACGGGGATTTCCAAGTCTCCACCCATTGACGTCAATGGGAGTTTTGTTTTGGCACCAA									
											Section 38
Reference sequence	(2850)	2850	2860	2870	2880	2890	2900	2910	2926		
CMV Forward	(1)	AATCAACGGGACTTTC AAAATGTCGTAACA ACTCCGCCCAT TGACGCAAATGGGCGGTAGGCCGTGTACGGTGGGA									
											Section 39
Reference sequence	(2927)	2927	2940	2950	2960	2970	2980	2990	3003		
CMV Forward	(12)	GGTCTATATAAGCAGAGCTCGTTTAGTGAACCGTCAGATCGCCTGGAGACGCCATCCACGCTGTTTTGACCTCCATA									
											Section 40
Reference sequence	(3004)	3004	3010	3020	3030	3040	3050	3060	3070	3080	
CMV Forward	(88)	SAA GAACCGAGTTTTAAACTCCCTATCAGTGATAGAGATCTCCCTATCAGTGATAGAGAGCTAGAACTAGAGGTACC									

# Certificate of Analysis

										Section 41
(3081)	3081	3090	3100	3110	3120	3130	3140	3157		
Reference sequence (3081)	GATATCGAATTCATAGCTAGCCCTGCAGGTCTAGACTCGAGGCGGCCGCGAGTCGAGTACCCATACGACGTCCCAGAC									
QMV Forward (165)	GATATCGAATTCATAGCTAGCCCTGCAGGTCTAGACTCGAGGCGGCCGCGAGTCGAGTACCCATACGACGTCCCAGAC									
										Section 42
(3158)	3158	3170	3180	3190	3200	3210	3220	3234		
Reference sequence (3158)	TACGCTTGAGTTTAAACACGCGTGGTGTGAAAGTCCCCAGGCTCCCCAGCAGGCAGAAGTATGCAAAGCATGCATC									
QMV Forward (242)	TACGCTTGAGTTTAAACACGCGTGGTGTGAAAGTCCCCAGGCTCCCCAGCAGGCAGAAGTATGCAAAGCATGCATC									
										Section 43
(3235)	3235	3240	3250	3260	3270	3280	3290	3300	3311	
Reference sequence (3235)	TCAATTAGTCAGCAACCAGGTGTGAAAGTCCCCAGGCTCCCCAGCAGGCAGAAGTATGCAAAGCATGCATCTCAAT									
QMV Forward (319)	TCAATTAGTCAGCAACCAGGTGTGAAAGTCCCCAGGCTCCCCAGCAGGCAGAAGTATGCAAAGCATGCATCTCAAT									
										Section 44
(3312)	3312	3320	3330	3340	3350	3360	3370	3388		
Reference sequence (3312)	TAGTCAGCAACCATAGTCCCGCCCTAACTCCGCCATCCCGCCCTAACTCCGCCAGTTCGCCCATTTCTCCGCC									
QMV Forward (396)	TAGTCAGCAACCATAGTCCCGCCCTAACTCCGCCATCCCGCCCTAACTCCGCCAGTTCGCCCATTTCTCCGCC									
										Section 45
(3389)	3389	3400	3410	3420	3430	3440	3450	3465		
Reference sequence (3389)	CCATGGCTGACTAATTTTTTTTATTTATGTCAGAGGCCGAGGCCGCTCGGCCTCTGAGCTATTCCAGAAGTAGTGAG									
QMV Forward (473)	CCATGGCTGACTAATTTTTTTTATTTATGTCAGAGGCCGAGGCCGCTCGGCCTCTGAGCTATTCCAGAAGTAGTGAG									
										Section 46
(3466)	3466	3480	3490	3500	3510	3520	3530	3542		
Reference sequence (3466)	GAGGCTTTTTTGAGGCCATGACCGAGTACAAGCCACGGTGGCGCTCGCCACCCGCGACGACGTCCCTCGGGCCGT									
QMV Forward (550)	GAGGCTTTTTTGAGGCCATGACCGAGTACAAGCCACGGTGGCGCTCGCCACCCGCGACGACGTCCCTCGGGCCGT									
										Section 47
(3543)	3543	3550	3560	3570	3580	3590	3600	3619		
Reference sequence (3543)	ACGCACCTCGCCGCGCGTTCGCCGACTACCCGCCACCGCCACACCGTGGACCCGGACCCGACATCGAGCGGG									
QMV Forward (627)	ACGCACCTCGCCGCGCGTTCGCCGACTACCCGCCACCGCCACACCGTGGACCCGGACCCGACATCGAGCGGG									
										Section 48
(3620)	3620	3630	3640	3650	3660	3670	3680	3696		
Reference sequence (3620)	TCACCGAGCTGCAAGAAGTCTTCTCAGCGCGTTCGGGCTCGACATCGGCAAGGTGTGGGTTCGGGACGACGCGCGG									
QMV Forward (704)	TCACCGAGCTGCAAGAAGTCTTCTCAGCGCGTTCGGGCTCGACATCGGCAAGGTGTGGGTTCGGGACGACGCGCGG									
										Section 49
(3697)	3697	3710	3720	3730	3740	3750	3760	3773		
Reference sequence (3697)	BCGGTGGCGGTCTGGACCACGCGGAGAGCGTCAAGCGGGGGCGGTGTTTCGCCGAGATCGGCCCGCGCATGG-CCG									
QMV Forward (781)	BCGGTGGCGGTCTGGACCACGCGGAGAGCGTCAAGCGGGGGCGGTGTTTCGCCGAGATCGGCCCGCGCATGG-CCG									
										Section 50
(3774)	3774	3780	3790	3800	3810	3820	3830	3840	3850	
Reference sequence (3773)	AGTTGAGCGGTTCCCGGCTGGCCGCGCAGCAACAGATGGAAGGGTCTCTGGCGCCGACCCGGCCCAAGGAGCCCGCG									
QMV Forward (858)	AGTTGAGCGGTTCCCGGCTGGCCGCGCAGCAACAGATGGAAGGGTCTCTGGCGCCGACCCGGCCCAAGGAGCCCGCG									
										Section 51
(3851)	3851	3860	3870	3880	3890	3900	3910	3927		
Reference sequence (3850)	TGGTTCCTGGCCACCGTCGGCGTCTCGCCCGACCACAGGGCAAGGTCTGGGCA- GCGCCGTCTGCTCCCCGGAG									
QMV Forward (935)	TGGTTCCTGGCCACCGTCGGCGTCTCGCCCGACCACAGGGCAAGGTCTGGGCA- GCGCCGTCTGCTCCCCGGAG									
										Section 52
(3928)	3928	3940	3950	3960	3970	3980	3990	4004		
Reference sequence (3926)	TGAGGC--GGCCGAGCGCGCGGGGTGCCCGCTT--CCTGGAGACCT-CCGCGCCCGCAACCT--CCCTTCTTA									
QMV Forward (1012)	TGNNNGCGNNGGAGCGCGCGGGGTGCCCGCTTCTCCTGNNNACCTTCCGNNNCCNNACCTTCCCTTCTTA									
										Section 53
(4005)	4005	4010	4020	4030	4040	4050	4060	4070	4081	
Reference sequence (3996)	CGAG-CGGCTCGGC TTCACCGTTCACG GCCAGCGTTCAGGTG CCGAA GACCGCGCACCTGGTGCATGACCGG AAG									
QMV Forward (1089)	CGANGC NNTTGGNTTTCACCGTTCACG GCCAGCGTTCAGGTG CCGAA GACCGCGCACCTGGTGCATGACCGG AAG									
										Section 54
(4082)	4082	4090	4100	4110	4120	4130	4140	4158		
Reference sequence (4072)	CCC GG TGCC TGAACG C GTT CCGGAAATCAA C C T CTGGATTACAAAATTTGTGAAAGATTGACTGGTATTCTTAACTA									
QMV Forward (1161)	NN-GGNNAATNNNANCCNC--NNNNNANNCCNNN-----									
										Section 55
(4159)	4159	4170	4180	4190	4200	4210	4220	4235		
Reference sequence (4149)	TGTGCTCCTTTACGCTATGTGGATACGCTGCTTTAATGCCTTTGTATCATGCTATTGCTTCCCGTATGGCTTTCA									
QMV Forward (1195)	-----									

## Conclusion:

QC passed

## Full Vector Sequence:

CMV-EcoRI-XhoI-SV40 prom

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