

J

2X RT-PCR Reaction Mix ^[1]	1.25 ml
RT-PCR Enzyme Mix ^[2]	125 µl
RNase-free ddH ₂ O	1 ml

[1]	dNTPs	[2]	RNase	Hotstart Tag DNA	DNase
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-15 ~ -25

2X One Step RT-PCR Mix	+	PCR	GSP
RNA		PCR	2

Diagram illustrating the experimental workflow for ChIP-seq analysis:

- Chromatin is cross-linked with formaldehyde (FA).
- Chromatin is fragmented by sonication.
- Chromatin is immunoprecipitated (IP) using antibodies against the protein of interest (GSP, RNA, DNase, DNA, DNase).
- The cross-links are reversed.
- The DNA is purified and sequenced (cDNA).

1.1

2X One Step RT-PCR Mix	25 µl	0.4 µM
RT-PCR Enzyme Mix	2.5 µl	0.4 µM
(10 µM)	2 µl	0.4 µM
(10 µM)	2 µl	0.4 µM
RNA		1 pg-1 µg
RNase-free ddH ₂ O		-

1.2

2024

	1	1	50°C ¹	30 min
	2	1	95°C	2 min
	3	30~35	95°C	30 sec
			55~68°C ²	30 sec
			72°C	0.5 min/kb
	4	1	72°C	5~10 min

2 kb

	1	1	50°C ¹	30 min
	2	1	95°C	2 min
	3	30~35	95°C	30 sec
			55~68°C ²	60 sec
			72°C	1 min/kb
	4	1	72°C	5~10 min

1.	48	55
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