

Materials List for:

Genome-wide Analysis using ChIP to Identify Isoform-specific Gene Targets

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URL: <https://www.jove.com/video/2101>

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Materials

| Name | Company | Catalog Number | Comments |
|------------------------------------|-----------------------------|----------------|----------|
| 37% formaldehyde solution | Fisher Scientific | F79500 | |
| BSA | USB Corp., Affymetrix | 10852 | |
| chloroform/isoamyl alcohol | Sigma-Aldrich | C0549 | |
| Dynabeads Protein G | Invitrogen | 100.04D | |
| EDTA | Fisher Scientific | BP120-500 | |
| EGTA | Sigma-Aldrich | E3889 | |
| Genomic DNA Sample Prep Kit | Illumina | FC-102-1001 | |
| glycerol | Sigma-Aldrich | G5516 | |
| glycogen | Boehringer Ingeheim | 901393 | |
| Hepes | Invitrogen | 15630080 | |
| KOH | Fisher Scientific | P250-500 | |
| LiCl | Sigma-Aldrich | L9650 | |
| Low molecular weight DNA ladder | New England Biolabs | N3233S | |
| sodium deoxycholate | Sigma-Aldrich | D6750 | |
| N-lauroyl sarcosine | MP Biomedicals | 194008 | |
| NP-40 | Sigma-Aldrich | I3021 | |
| PBS | Fisher Scientific | mt21040cv | |
| phenol | Sigma-Aldrich | P-4557 | |
| Phusion DNA Polymerase | New England Biolabs | F-540S | |
| proteinase K | GIBCO, by Life Technologies | 25530-049 | |
| QIAquick PCR purification Kit | Qiagen | 28104 | |
| MinElute PCR purification Kit | Qiagen | 28004 | |
| QIAquick Gel Extraction Kit | Qiagen | 28704 | |
| RNAse A | Sigma-Aldrich | R4642 | |
| SDS | Invitrogen | 24730020 | |
| TE (endofree for maxi-prep kit) | Qiagen | 19048 | |
| Tris | Sigma-Aldrich | 154563 | |
| Triton X-100 | Fisher Scientific | BP151100 | |
| Ultra Agarose, Certified low-range | Bio-Rad | 161-3106 | |

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- Sol_PCR_1
Sequence 5'-AAT GAT ACG GCG ACC ACC GAG ATC TAC ACT CTT TCC CTA CAC GAC GCT CTT CCG ATC T-3'
- Sol_PCR_2

Sequence 5'-CAA GCA GAA GAC GGC ATA CGA GCT CTT CCG ATC T-3'