

Materials List for:

Native Chromatin Immunoprecipitation Using Murine Brain Tumor Neurospheres

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Materials

Name	Company	Catalog Number	Comments
Agilent 2100 Bioanalyzer	Agilent	G2946-90004	bioanalyzer
AccuSpin Micro 17R, refrigerated	Fisher Scientific	13-100-676	
C57BL/6	Taconic	B6-f	C57BL/6 mouse
Calcium Chloride	Aldrich	22350-6	buffer reagent
D-Luciferin, Potassium Salt	Goldbio	LuckK-1g	
DiaMag 1.5 magnetic rack	Diagenode	B04000003	for magnetic bead washes
DiaMag Rotator EU	Diagenode	B05000001	rotator
DMEM/F-12	Gibco	11330-057	NSC component
Dynabeads Protein A	Thermo Fisher Scientific	10001D	protein A magnetic beads
Dynabeads Protein G	Thermo Fisher Scientific	10003D	protein G magnetic beads
EGF	PeptoTech	AF-100-15	prepare 20 µg/mL stock in 0.1% BSA and aliquot.
Ethylenediaminetetraacetic acid (EDTA)	Sigma	E-4884	buffer reagent
ethylene glycol-bis(β-aminoethyl ether)-N,N,N',N'-tetraacetic acid (EGTA)	Sigma	E-4378	buffer reagent
Fast SYBR Green Master Mix	Applied Biosystems	4385612	qPCR reagent
Fetal Bovine Serum	Gibco	10437028	for freezing cells
FGF	PeptoTech	100-18b	Prepare 20 µg/mL stock in 0.1% BSA and aliquot.
Forceps	Fine Science Tools	11008-13	for dissection of tumor
Glycerol, MB Grade	EMD- Millipore	356352	
H3K4me3	Abcam	Ab8580	
H3K27me3	Millipore	07-449	
HBSS	Gibco	14175-103	balanced salt solution
Fluriso	VEtone	501017	inhalation anesthetic
Ivis Spectrum	Perkin-Elmer	124262	in vivo optical imaging system
Hyqtase	HyClon	SV3003001	cell detachment media
Lithium Chloride	Sigma	L8895	buffer reagent
Low binding microtubes	Corning Costar	CLS3207	low protein binding microcentrifuge tube
Microcentrifuge tube	Fisher	21-402-903	regular microcentrifuge tube

Micrococcal Nuclease	Thermo Fisher Scientific, Affymetrix	70196Y	each batch may differ; purchase sufficient amount for experiments and aliquot.
N2	Gibco	17502-048	NSC component
Normal Rabbit IgG	Millipore	12-372	
Normocin	Invivogen	NOL-36-063	anti-microbial agent, use at 0.1 mg/mL.
NP-40 (Igepal CA-630)	Sigma	18896-50ML	buffer reagent
Kimble Kontes Pellet Pestle	Fisher Scientific	K749515-0000	
Protease Inhibitor Cocktail	Sigma-Aldrich	P8340	aliquot and store at -20 °C.
Protinase K	Sigma-Aldrich	P2308	make 10 mg/mL stock in water; aliquot and store at -20 °C.
QIAquick PCR Purification Kit	Qiagen	28104	DNA purification kit
Scalpel	Fine Science Tools	10007-16	for dissection of tumor
Sodium Chloride	VWR	0241-5KG	buffer reagent
Sodium Deoxycholate	Sigma-Aldrich	D670-25G	buffer reagent
Sodium Dodecyl sulfate (SDS)	Sigma	L-4390	buffer reagent
Tris Base	Thermo Fisher Scientific	Bp152-1	buffer reagent
Triton X-100	Thermo Fisher Scientific	BP 151-500	polyethylene glycol octylphenyl ether
Standard Mini Centrifuge	Fisherbrand	12-006-901	standard mini centrifuge
SZX16 microscope	Olympus	SZX16	flourescent dissecting microscope
ViiA 7 Real-Time PCR System with Fast 96-Well Block	Applied Biosystems	4453535	
Nanodrop One	Thermo-Fisher Scientific	ND-ONEC-W	