

Materials List for:

Correlating Gene-specific DNA Methylation Changes with Expression and Transcriptional Activity of Astrocytic *KCNJ10* (Kir4.1)

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Materials

Name	Company	Catalog Number	Comments
Papain Dissociation System	Worthington Biochemical Corporation	LK003150	
AllPrep DNA/RNA Mini Kit	Qiagen	80204	
Methyl Primer	Applied Biosystems	online	software to localize CpG Islands
EZ DNA methylation Kit	Zymo Research	D5001	
Rat Premixed Calibration Standard	EpiGenDx	80-8060R-Premix	
CpG Methylase (M.SssI)	Zymo Research	E2010	
QIAquick Gel Extraction	Qiagen	28704	Used for gel extraction and DNA cleanup
Restriction enzymes	New England BioLabs		
NEB cutter	New England BioLabs	online	verify restriction digest sites
Dual Luciferase Reporter Assay System	Promega	E1910	
Luc2 vector, pGL4.10	Promega	E6651	
renilla vector, pGL4.74	Promega	E2241	
TD-20/20 Luminometer	Turner Designs		
Lipofectamine LTX and Plus Reagent	Life Technologies	A12621	
Phenol, saturated pH 6.6/6.9	Fisher Scientific	BP 17501-100	
Nanodrop 2000/2000c Spectrophotometer	ThermoScientific		
MeltDoctor Master Mix	Life Technologies	4415440	
High Resolution Melt (HRM) Software v2.0	Life Technologies	4397808	
AB SDS software v2.3	Life Technologies	online	
AB High Resolution Melting Getting Started Guide	Life Technologies	online	
AB 7900HT Fast Real-Time System	Life Technologies		