

Materials List for

# Knockdown of *FAM83A* to Verify Its Role in Cervical Cancer Cell Growth and Cisplatin Sensitivity

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## URL

jove.com/video/65667

## Materials

Name	Company	Catalog Number	Comments
<b>Cells and Medium Formulation</b>			
C33a	American Type Culture Collection		
Hela	American Type Culture Collection		
Modified medium			10% fetal bovine serum and + antibiotics (100 U/mL penicillin and 100 U/mL streptomycin)
<b>Antibody Information</b>			
AKT	4691, Cell Signaling Technology Inc.		'1:1,000
Bcl2	26593-1-AP, Proteintech Group, Inc		'1:1,000
Caspase 3	19677-1-AP, Proteintech Group, Inc		'1:2,000
cleaved-caspase3	abs132005; Absin Bioscience Inc.		'1:1,000
Cytc	10993-1-AP; Proteintech Group		'1:1,000
GAPDH	10494-1-AP, Proteintech Group, Inc.		'1:8,000
mTOR	2983, Cell Signaling Technology Inc.		'1:1,000
PI3K	4292, Cell Signaling Technology Inc		'1:1,000
p-AKT	4060, Cell Signaling Technology Inc.		'1:1,000
p-mTOR (Ser2448)	#5536, Cell Signaling Technology Inc.		'1:1,000
p-PI3K p85 subunit	17366, Cell Signaling Technology Inc.		'1:1,000
Secondary antibodies	GB23303, Servicebio		'1:2,000
<b>Materials</b>			
6-well plate	Corning, NPY		
Alexa Fluor 555	Beyotime		
BCA Protein assay kit	Beyotime, China		P0011
ChemiDoc XRS Imager System	BioRad		

Enhanced chemiluminescence detection kit	Servicebio, Inc., China		cat. no. G2014
Fluorescence microscope	Olympus Corporation, Tokyo, Japan		
Hifair II 1st Strand cDNA Synthesis Super Mix	11123ES60, Yeasen Biotech o., Ltd., China		
Inverted microscope	Olympus, Tokyo, Japan;		
Millicell transwell inserts	Millipore, Bedford, MA, USA		
Mitochondrial membrane potential assay kit	Beyotime, China		
PMSF	ST506, Beyotime Biotech, Jiangsu, China		#ST506
Real-time quantitative PCR instrument	Applied Biosystems, Thermo Fisher Scientific. China.		
RIPA Lysis Buffer	Beyotime Biotech, Jiangsu, China		
TRIzol reagent	Invitrogen		15596026
TRIzol reagent	Takara Bio Inc., Otsu, Japan		
<b>Software</b>			
Image-Pro	plus 6.0		