

Materials List for:

Generating a "Humanized" *Drosophila* S2 Cell Line Sensitive to Pharmacological Inhibition of Kinesin-5

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Materials

Name	Company	Catalog Number	Comments
Effectine Transfection Reagent	Qiagen	301425	
Klp61F cDNA	Drosophila Genomic Resource Center	13690	Gene Name LD15641
Schneider's Media	Invitrogen	21720-024	
Fetal Bovine Serum, certified	Invitrogen	10082-147	Heat Inactivated, US origin
Copper(II) Sulfate (CuSO ₄)	Sigma	C8027-500G	500 mM stock
S-trityl-L-cysteine	Sigma	164739-5G	1 mM stock in DMSO
Blasticidin HCl	Invitrogen	R21001	5 mg/ml stock in 1x PBS
Hygromycin B	Invitrogen	10687010	
T7 Large scale RNA Production System	Promega	P1320	The approximate dsRNA concentration from each reaction is about 5-15 µg/µl
Klp61F RNAi F primer	Invitrogen		TAATACGACTCACTATAGGGTA-TTTGCGCATTATTTTAAAA
Klp61F RNAi R primer	Invitrogen		TAATACGACTCACTATAGGGAT-ATTGATCAATTGAAAC
PCR clean-up kit	Mo Bio Laboratories, Inc	1250	
Concanavalin A	Sigma	C5275	0.5 mg/ml solution made by dissolving in 1x PBS.
Boiled Donkey Serum	Jackson ImmunoResearch Labs	017-000-121	5% stock solution in 1x PHEM buffer, bring solution up to boil. Stored in 4 °C.
Mounting Media			20 mM Tris pH 8.0, 0.5% N-propyl gallate, 90% Glycerol. Stored in 4 °C.
1x BRB-80			80 mM PIPES pH 6.9; 1 mM EGTA; 1 mM MgCl ₂
White Light Source	Lumencor Inc		
ET EGFP Filter Cube	Chroma	49002	
DSRed Filter Cube	Chroma	49005	
anti-NDC80 antibody			Custom made by the Maresca Lab
DM1α (anti-α-tubulin)	Sigma	T6199	
anti-CID antibody	AbCam	ab10887	