

Materials List for:

Quantitative Cell Biology of Neurodegeneration in *Drosophila* Through Unbiased Analysis of Fluorescently Tagged Proteins Using ImageJ

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Materials

Name	Company	Catalog Number	Comments
SYLGARD(R) 184 Silicone Elastomer Kit	Dow Corning Corporation	PF184250	Dissection dish
Falcon 35 mm Not TC-Treated Easy-Grip Style Bacteriological Petri Dish	Corning	351008	Dissection dish
Dumont #5 Forceps	Fine Science Tools	11251-20	Dissection tool
Sodium Chloride	Sigma	S3014	PBS solution
Sodium Phosphate Dibasic	Sigma	S5136	PBS solution
Potassium Phosphate Monobasic	Sigma	P5655	PBS solution
Triton X-100	Sigma	T9284	Washing and antibody incubation solution.
37% Formaldehyde	VWR	10790-710	Fixation
Disposable Microcentrifuge Tubes (0.5mL, blue)	VWR	89000-022	Fixation, washing, and antibody incubation.
Plain and Frosted Micro Slides (25×75mm)	VWR	48312-004	Slides for confocal imaging
Micro Cover Glasses, rectangular (22×40mm)	VWR	48393-172	Slides for confocal imaging
Rubber Cement	Slime	1051-A	Mounting
VECTASHIELD Antifade Mounting Medium	Vector Laboratories, Inc.	H-1000	Mounting
Scotch Magic 810 Invisible Tape (19mm×25.4m)	3M Company	810	Mounting
Normal Goat Serum	Thermo Fisher Scientific	PCN5000	Antibody incubation
DAPI (4',6-Diamidino-2-Phenylindole, Dihydrochloride)	Thermo Fisher Scientific	D1306	Nucleic acid staining. Dissolve in deionized water to make a 5 mg/mL stock solution and store at -80°C. Dilute to a working concentration of 10-20 µg/mL in PBTx.
3.5X-90X Stereo Zoom Inspection Industrial Microscope	AmScope	SM-1BNZ	Dissection scope. Equipped with 6W LED Dual Gooseneck Illuminator
ImageJ/Fiji	NIH	v1.51u	With SCF_MPI_CBG plugins (version 1.1.2)
FV1000-IX81 Confocal-laser Scanning Microscope	Olympus		
Recombinant Construct	Bloomington Drosophila Stock Center	BL37749	