

Materials List for:

Combined Nucleotide and Protein Extractions in *Caenorhabditis elegans*

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Materials

Name	Company	Catalog Number	Comments
4–15% Mini-PROTEAN® TGX Stain-Free™ Protein Gels	BIORAD	4568084	
Antibodies:			
CePAS7-s	DHSB- U of Iowa		
CeTAC1-s	DHSB- U of Iowa		
DLG1-s	DHSB- U of Iowa		
GRP78	Novus Bio.	NBp1-06274	
HRP Goat Anti-Mouse	Li-Cor	926-80010	
HRP Goat Anti-Rabbit	Li-Cor	92680011	
HSP60-s	DHSB- U of Iowa		
LMP1-s	DHSB- U of Iowa		
MRP-1	Abcam	ab24102	
Neuroigin 3	Abcam	ab172798	
β-actin	Millipore	MAB1501R	
ChemiDoc MP Imaging System	BIORAD		
Chloroform	Fisher	C298-500	Health hazard, Irritant, Toxic
Coomassie Brilliant Blue	ThermoSci	20279	
DC Protein assay	BIORAD	500-0116	
Epoch 2 microplate reader	BioTek		
Ethanol (200 proof)	Fisher	04-355-223	Flammable, health hazard
HeLa cells	ATCC	CCL-2	BSL2
iScript Reverse Transcription Supermix	BIORAD	1708840	
Hydra microdispenser: Matrix Hydra	Robbins/ThermoFisher		
Isopropanol	Fisher	A516-4	Flammable, health hazard
M9 buffer: 3 g KH ₂ PO ₄ 6 g Na ₂ HPO ₄ 5 g NaCl Add H ₂ O to 1 liter. Sterilize by autoclaving. After solution cools down, add 1 mL sterile 1 M MgSO ₄			
Laemmli Sample Buffer (2x)	BIORAD	161-0737	
NanoDrop One	ThermoSci		
PAGE apparatus	BIORAD		
Ponceau S	Alfa Aesar	J60744	

Primers	IDT		25 nmole DNA Oligo with Standard Desalting
dlg-1: F (5'-GGTCCTACCA GGCAGTTGAG-3') R (5'-CACGTCCGTT AACCTCTCCC-3')			
hsp-4: F (5'-AGAGGGCTTT GTCAACCCAG-3') R (5'-TCGTCAAGGT TGATTCCACG-3')			
hsp-70: F (5'-CGGCATGTGA ACGTGCTAAG-3') R (5'-GAGCAGTTGA GGTCCTTCCC-3')			
hsp-60: F (5'-ATTGAGCAAT CGACGAGCGA-3') R (5'-CAACACCTCC TCCTGGAACG-3')			
Imp-1: F (5'-ACAACAACAC CGGACTCACG-3') R (5'-ATCGAGCTCC CACTCTTTGG-3')			
tac-1: F (5'-AGTGGCAGGC AAAGTTCCTC-3') R (5'-TGAGCACCTT GATCTCGTCG-3')			
pas-7: F (5'-GTACGCTCAA AAGGCTGTCG-3') R (5'-CTGAATCGGC ATTGGCTCAC-3')			
mrp-1: F (5'-TTGCCTTGC GCTTGTTCTG-3') R (5'-AGTCCAGTG CGGAGCATAC-3')			
F07C4.12: F (5'-TGCTGAGCAT GAAGGACTGT-3') R (5'-TGGCAATAGC TCCTCCGTTG-3')			
HK Actin: F (5'-CTACGAACTT CCTGACGGACAAG-3') R (5'-CCGGCGGACT CCATACC-3')			
HK cyn-1: F (5'-GTGTCACCAT GGAGTTGTTT-3') R (5'-TCCGTAGATT GATTCACCAC-3')			
HK nhr-23: F (5'-CAGAAACACT GAAGAACGCG-3') R (5'-CGATCTGCAG TGAATAGCTC-3')			
HK ama-1: F (5'-TGGAACCTCTG GAGTCACACC-3') R (5'-CATCCTCCTT CATTGAACGG-3')			
HK cdc-42: F (5'-CTGCTGGACA GGAAGATTACG-3') R (5'-CTCGGACATT CTCGAATGAAG-3')			
HK pmp-3: F (5'-GTTCCCGTGT TCATCACTCAT-3') R (5'-ACACCGTCGA			

GAAGCTGTAGA-3')			
LightCycler 96 qPCR machine	Roche		
RIPA buffer: 10 mM Tris-Cl (pH 8.0) 1 mM EDTA 1% Triton X-100 0.2% SDS 140 mM NaCl 1 tablet of Roche protease inhibitor per 20 ml			
SsoAdvanced Universal SYBR Supermix	BIORAD	1725274	
SuperSignal West Femto Max Sens Substrate	ThermoSci	34095	
Trans-Blot Transfer apparatus	BIORAD		
Trans-Blot Turbo Transfer Pack	BIORAD	170-4159	
TRIzol reagent	Invitrogen	15596026	Health hazard (skin, eyes)
Worm strains:	Caenorhabditis Genetics Center (CGC)		
N2 (wild type)	Caenorhabditis Genetics Center (CGC)		
<i>eat-2</i> (MAH95)	Caenorhabditis Genetics Center (CGC)		
<i>rsks-1</i> (VB633)	Caenorhabditis Genetics Center (CGC)		