

Materials List for:

# Isolation of Intermediate Filament Proteins from Multiple Mouse Tissues to Study Aging-associated Post-translational Modifications

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## Materials

Name	Company	Catalog Number	Comments
Dynabeads Protein G	ThermoFisher Scientific	10009	immunoprecipitation beads
PBS	ThermoFisher Scientific	10010049	for buffers
Purelink RNA mini kit	ThermoFisher Scientific	12183018	RNA extraction from tissue
Purelink DNase set	ThermoFisher Scientific	12185010A	on column DNA digestion
Dynamag-2	ThermoFisher Scientific	12321D	magnet for use with dynabeads
GelCode Blue Stain Reagent	ThermoFisher Scientific	24592	mass spectrometry-compatible gel stain
Pierce ECL Western Blotting Substrate	ThermoFisher Scientific	32106	for use in western blot
High Capacity cDNA reverse transcription kit	ThermoFisher Scientific	4368813	for use in gene expression analysis
Proflex 3 x 32-well PCR System	ThermoFisher Scientific	4484073	PCR system
PVDF transfer membrane	ThermoFisher Scientific	88520	for western blot
Power Up SYBR master mix	ThermoFisher Scientific	A25778	for qPCR analysis
RNAlater	ThermoFisher Scientific	AM7020	solution for tissue storage prior to RNA isolation
Novex 4-20% Tris Glycine Gel	ThermoFisher Scientific	XP04205BOX	Precast protein gel
Anti-Keratin 8 antibody (TS1)	ThermoFisher Scientific	MA514428	for western blot detection of K8
Anti-Vimentin	ThermoFisher Scientific	MA511883	for western blot detection of vimentin
Tris Glycine Transfer Buffer (25x)	ThermoFisher Scientific	LC3675	for wet transfer of protein gels
2x SDS Sample Buffer	ThermoFisher Scientific	LC2676	for preparing protein gel samples
Tris Glycine SDS Running Buffer (10x)	ThermoFisher Scientific	LC26755	for running protein gels
Lysing beads - Matrix D	MP Biomedicals	116913100	Lysis beads and matrix tubes for tissue disruption and RNA extraction
Lysing beads - Matrix SS	MP Biomedicals	116921100	Lysis beads and matrix tubes for tissue disruption and protein extraction
NanoDrop Lite Spectrophotometer	ThermoFisher Scientific	ND-LITE	measurement of protein and nucleic acid
Precellys 24 homogenizer	Bertin Instruments	EQ03119	Automated tissue homogenizer