

Materials List for:

Preparation of Chloroplast Sub-compartments from Arabidopsis for the Analysis of Protein Localization by Immunoblotting or Proteomics

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Materials

Name	Company	Catalog Number	Comments
Percoll	GE Healthcare	17089101	
Tricine	Roth	6977.2	
Sorbitol	Roth	6213.1	
Ethylenediaminetetraacetic acid (EDTA)	Promega	H5032	
NaHCO ₃	Roth	8551.1	
Bovine serum albumin (BSA)	Roth	8076.5	
MgCl ₂	Roth	2189.1	
Phenylmethylsulfonyl fluoride (PMSF)	Sigma	P7626	
Benzamidine	Sigma	B6506	
ε-amino caproic acid	Fluka	21530	
3-(N-morpholino) propane sulfonic acid (MOPS)	Roth	6979.3	
Sucrose	Roth	9286.2	
Acrylamide stock: 30% (w/v) acrylamide, 0.8% (w/v) bisacrylamide	Roth	3029.1	
Tris	Fisher	BP152-5	
Sodium dodecyl sulfate (SDS)	Roth	1057.1	
Tetramethylethylenediamine (TEMED)	Sigma	T-8133	
Ammonium persulfate (APS)	Roth	9592.1	
Glycerol	Roth	3783.1	
Bromophenol blue	USB	US12370	
Glycin	Roth	3908.3	
Gel staining medium	Clini-sciences	GEN-QC-STAIN	
Ethanol	CARLO ERBA	528151	
NaCl	Euromedex	1112-A	
Triton X-100	Promega	H5141	
Fat-free milk powder	Régilait		
HCl	Fisher	H/1150/PB15	
KOH pellets	Sigma	1.05012	
NaOH pellets	CARLO ERBA	480507	
Anti-HMA1 antibody		Seigneurin-Berny et al, 2006	Used at a 1:1000 dilution
Anti-KAR1 antibody		Ferro et al, 2010	Used at a 1:1000 dilution

Anti-LHCP antibody		Vallon et al, 1991	Used at a 1:25,000 dilution
P-coumaric acid	Sigma	C-9008	
Luminol (3-aminophalhydrazin)	Fluka	9253	
Dimethyl sulfoxide (DMSO).	Sigma	D5879	
Large (30 cm × 45 cm) plastic cases	Puteaux	162135	
<i>A. thaliana</i> seeds			Around 30 mg of seeds for a whole case
Compost "Floragard"	Puteaux	16311770	
Growth rooms			12-h light cycle, set at 23°C (day) / 18°C (night) with a light intensity of 150 µmol/m ² /s.
Muslin or cheesecloth	Raffin	70116	80-cm-large
Nylon blutex 50 µm aperture	Tripette et Renaud, Sailly Saillisel		50 µm aperture
Motor-driven blender, three speeds, 1 gallon (4 L) capacity	Waring Blender		
Fixed-angle rotors JLA-10.500 (6 × 500-mL plastic bottles)	Beckman Coulter		
Beckman JA-20 rotor	Beckman Coulter		
JA-20 (6 × 50 mL polypropylene tubes)	Sorvall instruments		
Swinging-bucket rotor JS-13.1 (6 × 50 mL polycarbonate tubes)	Beckman Coulter		
SW 41 Ti rotor (6 × 13.2 mL ultraclear tubes)	Beckman Coulter		
SW 41 Ti rotor tubes (13.2 mL ultraclear tubes)	Beckman Coulter		
Ultracentrifuge (Beckman L7)	Beckman Coulter		
Centrifuge (Beckman JSE-06D18)	Beckman Coulter		
Microcentrifuge	Eppendorf 5415D or equivalent		
Water pump connected to a Pasteur pipette via a plastic tube.			
Nitrocellulose membranes	BA85, Schleicher and Schuell		
Filter paper	3MM, Whatman, Maidstone		
Liquid nitrogen			
Peristaltic pump	Gilson		
Gel electrophoresis apparatus with the various accessories needed for protein separation by electrophoresis (combs, plates and casting apparatus).	Bio-Rad Protean 3 or equivalent		
System for protein transfer to nitrocellulose membranes	Bio-Rad Protean 3 or equivalent		