

Materials List for:

Purification of the Dendritic Filopodia-rich Fraction

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Materials

Name	Company	Catalog Number	Comments
1 M HEPES	Gibco	15630-080	
1.7 mL Low Binding MCT	Sorenson BioScience	39640T	
200 mM L-Glutamine	Gibco	2530149	
35 mm plastic cell culture dishes	Corning	430165	
Anti-actin	Sigma-Aldrich	A-5060	
Anti-alpha-Actinin	Sigma-Aldrich	A-5044	
Anti-alpha-tubulin	Sigma-Aldrich	T-9026	
Anti-Ezrin	Sigma-Aldrich	clone3C12, SAB4200806	
Anti-Galphaq	Santacruz	sc-393	
Anti-MAP2	Chemicon	clone AP20, MAB3418	
Anti-Moesin	Sigma-Aldrich	clone 38/87, M7060	
Anti-PLCbeta1	Santacruz	sc-5291	
Anti-PSD95	MA2	ABR	
Anti-Spectrin beta	Chemicon	MAB1622	
B27	Gibco	0080085SA	
BCA protein assay kit	Thermo	23227	
Bromophenol blue	Merck	1.08122.0005	
Calcium chrolide, hydrous	Wako	038-19735	
Cell scraper	Falcon	353085	
Cell strainer	Falcon	352350	
Choline chloride	Sigma-Aldrich	C7527	
Complete EDTA free protease inhibitor cocktail	Roche	11873580001	
Cytosine beta-D-arabinofuranoside	Sigma-Aldrich	C-6645	
DNase-I	Sigma-Aldrich	DN-25	
D-Pantothenic acid hemicalcium salt	Sigma-Aldrich	P5155	
DynaMag-2 Magnet	Thermo	12321D	
ECL Prime Western Blotting Detection Reagent	GE	RPN2232	
e-PAGEL 5-20% SDS-PAGE gradient gel	ATTO	E-T520L	
Folic acid	Sigma-Aldrich	F8758	
HBSS	Gibco	14175095	
HRP-conjugated anti-rabbit IgG	Jackson ImmunoResearch	111-035-144	

i-Inositol	Sigma-Aldrich	I7508	
LAS-1000 mini	Fuji Film	LAS-1000 mini	For detection of luminescence from WB membrane
Magnetic polystyrene microbeads	Sperotech	PM-20-10	
MEM amino acid solution	Gibco	11130-051	30 mM L-Arginine hydrochloride, 5 mM L-Cystine, 10 mM L-Histidine hydrochloride-H ₂ O, 20 mM L-Isoleucine, 20 mM L-Leucine, 19.8 mM L-Lysine hydrochloride, 5.1 mM L-Methionine, 10 mM L-Phenylalanine, 20 mM L-Threonine, 2.5 mM L-Tryptophan, 10 mM L-Tyrosine, and 20 mM L-Valine
Mini-slab size electrophoresis system	ATTO	AE-6530	
Niacinamide	Sigma-Aldrich	N0636	
Penicilin / Streptomycin	Gibco	15070063	
PhosSTOP phosphatase inhibitor cocktail	Roche	4906845001	
Poly-L-lysine hydrobromide	Nacali	28360-14	
Pyridoxal HCl	Sigma-Aldrich	P6155	
Riboflavin	Sigma-Aldrich	R9504	
Silver Stain 2 Kit wako	Wako	291-5031	
Thiamine HCl	Sigma-Aldrich	T1270	
Trans-Blot SD Semi-Dry Transfer Cell	Bio-rad	1703940JA	
Ultra pure water	MilliQ		For production of ultra pure water