

Materials List for:

Preparation and *In Vivo* Use of an Activity-based Probe for N-acylethanolamine Acid Amidase

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Materials

Name	Company	Catalog Number	Comments
1,1'-sulfonyldiimidazole	Sigma Aldrich	367818	Harmful
2-dipyridylcarbonate	Fluorochem	11331	Harmful
2-Methylbutan	Sigma Aldrich	M32631	Flammable, toxic, hazardous to the aquatic environment
4-(Dimethylamino)pyridine	Sigma Aldrich	107700	Toxic
Acetic acid	Sigma Aldrich	695092	Flammable, Corrosive
Acetonitrile	Sigma Aldrich	34998	Flammable, Toxic
Activated charcoal	Sigma Aldrich	161551	
Ammonium chloride	Sigma Aldrich	A9434	Harmful
Azide-PEG3-Biotin	Jena Biosciences	CLK-AZ104P4	
Azide-PEG3-Fluor 545	Jena Biosciences	CLK-AZ109	
BCA protein assay kit	Thermo Fisher Scientific	23227	
Bio-spin columns	Biorad	732-6204	
Biotin	Sigma Aldrich	B4501	
Blocking buffer	Li-Cor Biosciences	927-40000	
β-mercaptoethanol	Sigma Aldrich	M6250	Higly toxic
Bovin serum albumine (BSA)	Sigma Aldrich	A7030	
Bromophenol blue	Sigma Aldrich	B0126	
Bruker Avance III 400	Bruker		
Celite	Sigma Aldrich	419931	Health hazard
Ceric ammonium nitrate	Sigma Aldrich	22249	Oxidizing, Harmful
Chloral hydrate	Sigma Aldrich	C8383	Higly toxic
CuSO ₄ ·5H ₂ O	Sigma Aldrich	209198	Toxic
Cyclohexadiene	Sigma Aldrich	125415	Flammable, Health hazard
Cyclohexane	Sigma Aldrich	34855	Flammable, Harmful, Health hazard, Environmental hazard
Dichloromethane	Sigma Aldrich	34856	Harmful, Health hazard
Diethyl ether	Sigma Aldrich	296082	Flammable, Harmful
Dimethyl sulfoxide (DMSO)	Acros Organics	348441000	
Dimethyl sulfoxide <i>d</i> ₆ (DMSO- <i>d</i> ₆)	Sigma Aldrich	175943	
Ethanol	Sigma Aldrich	2860	Flammable, Harmful
Ethyl acetate	Sigma Aldrich	34858	Flammable, Harmful
Glycerol	Sigma Aldrich	G5516	
Irdye 680-LT Streptavidin	Li-Cor Biosciences	925-68031	

IRDye680-LT Streptavidin	Licor	925-68031	Briefly centrifuge before use to precipitate protein complexes
Methanol	Sigma Aldrich	34966	Highly toxic
Methanol	Sigma Aldrich	34860	Flammable, Toxic, Health hazard
<i>N</i> -(3-Dimethylaminopropyl)- <i>N'</i> -ethylcarbodiimide hydrochloride	Sigma Aldrich	E7750	Harmful, Corrosive
<i>N,N</i> -diisopropylethylamine	Sigma Aldrich	D125806	Flammable, Corrosive, Toxic
<i>N,N</i> -dimethylformamide	Sigma Aldrich	227056	Flammable, Harmful, Health hazard
<i>N</i> -Cbz-L-Serine	Fluorochem	M03053	Harmful
Nikon A1 confocal microscopy	Nikon		Read the user manual
NuPAGE 4-12% Bis-Tris gel	Thermo Fisher Scientific	NP0335BOX	
Palladium on carbon	Sigma Aldrich	330108	
<i>p</i> -anisidine	Sigma Aldrich	A88255	Toxic, Health hazard, Environmental hazard
Paraformaldehyde	sigma Aldrich	441244	Toxic, respiratory harmful, corrosive, flammable
Poly(ethylene glycol)	Sigma Aldrich	P3265	
ProLong Gold antifade mountant with DAPI	Thermo Fisher Scientific	P36931	Avoid bubbles formation
Protease inhibitor cocktail	Sigma Aldrich	P8340	
Sodium bicarbonate	Sigma Aldrich	S6014	
Sodium dodecyl sulfate (SDS)	Sigma Aldrich	L3771	Toxic, corrosive, flammable
Sodium hydride	Sigma Aldrich	452912	Flammable
Sodium sulfate	Sigma Aldrich	239313	
Starion FLA-9000 image scanner	FUJIFILM		Read the user manual
Streptavidin agarose	Thermo Fisher Scientific	20349	
Sucrose	Sigma Aldrich	S7903	
Tert-butanol	Sigma Aldrich	360538	Toxic, flammable
Tetrahydrofuran	Sigma Aldrich	186562	Flammable, Harmful, Health hazard
Thiourea	Acros Organics	424542500	Toxic, warm at 50 °C to dissolve
Tris	Sigma Aldrich	RDD008	
Tris(2-carboxyethyl)phosphine (TCEP)	Sigma Aldrich	C4706	
Tris[(1-benzyl-1 <i>H</i> -1,2,3-triazol-4-yl)methyl]amine (TBTA)	Sigma Aldrich	678937	
Triton-x100	Sigma Aldrich	X100	Toxic
Tween-20	Sigma Aldrich	P9416	
Tween-80	Sigma Aldrich	P1754	
Ultra turrax IKA T18 basic tissue homogenizer	IKA		
Undec-10-yn-1-ol	Fluorochem	13739	Harmful
Urea	Sigma Aldrich	U5378	Toxic, warm at 50 °C to dissolve