

Materials List for

Optimized Incorporation of Alkynyl Fatty Acid Analogs for the Detection of Fatty Acylated Proteins using Click Chemistry

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jove.com/video/62107

Materials

Name	Company	Catalog Number	Comments
13-tetradecynoic acid (alkynyl myristic acid) (25mM)	Click Chemistry Tools	1164	
15-hexadecynoic acid (alkynyl palmitic acid) (100mM)	Click Chemistry Tools	1165	
17-octadecynoic acid (alkynyl stearic acid) (100 mM)	Cayman Chemical Company	90270	
30% acrylamide/bis solution 29:1	Biorad	1610156	
96-well plate reader	Biorad	N/A	
AFDye 647 azide plus	Click Chemistry Tools	1482	
Ammonium persulfate (APS)	Biorad	1610700	
Anti-GAPDH hFAB Rhodamine	Biorad	12004167	
Anti-rabbit Alexa 488	Invitrogen	A11034	
Anti-Tubulin hFAB Rhodamine	Biorad	12004166	
Biotin Azide	Click Chemistry Tools	1265	
Bis-tris, ultrapure	VWR	715	
Calcium chloride	J.T. Baker	1332-1	
Centrifuge 16,000xg, 4°C	Thermo Scientific	N/A	
Charcoal STRP FBS One Shot (DCC-FBS)	Life Technologies	A3382101	
ChemiDoc Imager	Biorad	N/A	
Copper sulfate (1 mM)	VWR	BDH9312	
Deoxycholic acid sodium salt monohydrate	MP Biomedicals	102906	
Detergent compatible (DC) assay	Biorad	N/A	
Dimethyl sulfoxide (DMSO)	VWR	0231-500 mL	
DMEM, 1x	Wisent Inc	319015CL	
Ethanol, anhydrous	N/A	N/A	

Fatty Acid Free BSA	MP Biomedicals	219989950	
Fast Blot Turbo Semi-dry transfer	Biorad	N/A	
Fetal Bovine Serum (FBS)	Thermo Fisher Scientific	12483-020	
FluoroTrans W PVDF (polyvinylidene fluoride) transfer membrane	Pall Life Sciences	BSP0161	
HEPES (4-(2-Hydroxyethyl)-1-piperazinyl]-ethanesulfonic) acid	VWR	5011	
Humidified Incubator at 37°C and 5% CO ₂	VWR	N/A	
Igepal CA-630	Alfa Aesar	J61055	
Image Lab Software	Biorad	N/A	
L-glutamine supplement solution	Wisent Inc	609-065-EL	
Magnesium chloride	Fisher Scientific	BP214-500	
Methanol	VWR	BDH1135	
Myristic Acid (25 mM)	VWR	M0476-25G	
Palmitic acid (100 mM)	VWR	P0002-25G	
Penicillin-Streptomycin, 10x	Wisent Inc	450201EL	
Pepstatin A (synthetic)	Enzo Life Sciences	ALX-260-085-M005	
Phenylmethylsulfonyl fluoride	Enzo Life Sciences	ALX-270-184-G005	
Phosphate buffered saline, 10x, pH 7.4	VWR	75801-000	
Polyclonal Goat antibody to GFP (Affinity Purified)	Eusera	EU4	
FluoroTrans W PVDF (polyvinylidene fluoride) transfer membrane	Pall Life Sciences	BSP0161	
Potassium hydroxide	Ward's Science	470302-100	
Rabbit polyclonal antibody to GFP	Eusera	EU1	
Sodium chloride	VWR	0241-1KG	
Sodium Dodecyl Sulfate (SDS)	Fisher Scientific	BP166-500	
Sodium pyruvate	Wisent Inc	600-110-EL	
Streptavidin Alexa Fluor 680 conjugate	Thermo Fisher Scientific	S21378	
Tris-(benzyltriazolylmethyl)amine (TBTA) (100 uM)	Click Chemistry Tools	1061	
Tris-(2-carboxyethyl)phosphine HCl (TCEP) (1mM)	Soltec Ventures	M115	
Tris Base	Fisher Scientific	BP152-5	
Trypsin/EDTA	Wisent Inc	325-043-CL	
Tween 20 Reagent Grade 1L	VWR	97062-332	
WHEATON NextGen V Vials 3 mL	VWR	89085-424	