

Materials List for:

Green Fluorescent Protein-based Expression Screening of Membrane Proteins in *Escherichia coli*

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Materials

Name	Company	Catalog Number	Comments
pOPIN-N-GFP	addgene (www.addgene.org)		
pOPINE-3C-GFP	addgene (www.addgene.org)		
C41(DE3)pLysS	Lucigen (http://lucigen.com/)	60444-1	
LEMO21(DE3)	New England Biolabs	C2528H	
In-Fusion HD EcoDry Cloning System, 96 Rxns	Clontech/Takara	639688	
Power broth	Molecular Dimensions (http://www.moleculardimensions.com/)	MD12-106-1	
Protease Inhibitor tablets	Roche	11697498001	
cOmplete, Mini, EDTA-Free; Protease Inhibitor Cocktail	Roche	11836170001	
L-Rhamnose monohydrate	Sigma-Aldrich	83650	
Protease Inhibitor Cocktail	Sigma-Aldrich	P8849	
DNase 1	Sigma-Aldrich	DN25	
Lysozyme	Sigma-Aldrich	L7651	
Cholesterol hemisuccinate	Sigma-Aldrich	C6512	
CYMAL-6 (6-Cyclohexyl-1-Hexyl-β-D-Maltoside)	Anatrace	C326	
DDM (n-Dodecyl β-maltoside)	Generon	D97002	
DM (n-Decyl β-maltoside)	Generon	D99003	
LDAO (N,N-Dimethyl-n-dodecylamine N-oxide)	Generon	D71111	
E1 ClipTip Eq384 8 channel 1-30 µl	Thermo Scientific	4672030	
Rainin Pipette Pipet-Lite XLS 6ch 100-1,200 µl LTS Spacer	Anachem	LA6-300XLS	
Rainin Pipette Light XLS+ 8ch 2-20 µl LTS	Anachem	L8-20XLSPLUS	
Pipette Pipet-Lite XLS 8ch 100-1,200 µl LTS Tip	Anachem	L8-1200XLS	
24 well V bottom deep well blocks	Porvair sciences	360115	
BenchMark Fluorescent Protein Standard	Life Technologies	LC5928	
NuPAGE Novex 10% Bis-Tris Midi Protein Gels, 26 well	Life Technologies	WG1203BOX	

XCell4 SureLock Midi-Cell	Life Technologies	WR0100	
Vibramax 100	Heidolph	544-21200-00	
Tension rollers attachment	Heidolph	549-81000-00	
Optima L-100 Ultracentrifuge running 45-Ti rotor	Beckman Coulter	393253	
Optima Max-XP ultracentrifuge running TLA-55 rotor	Beckman Coulter	393315	
Floor standing centrifuge, Avanti J-26S XPI running JA-17 and JS-5.3 rotors	Beckman Coulter	B14535	
Prominence UFLC with RF-20A Fluorescence detector	Shimadzu		
Sepharose 6 10/300 GL size exclusion column	GE Healthcare	17-5172-01	
SSI5R-HS SHEL LAB Floor Model Shaking Incubator, 5 Cu.Ft. (144 L), 30-850 rpm	Shel Lab	SSI5R-HS	
Innova44R incubator	New Brunswick /Eppendorf	Innova44R	
TS Series 0.75 kW Disrupter 230 V 50 Hz 1 PH (40 kpsi)	Constant systems	PL083016	
L-Rhamnose monohydrate	Sigma	83650	