

Materials List for:

Dissecting Multi-protein Signaling Complexes by Bimolecular Complementation Affinity Purification (BiCAP)

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Materials

Name	Company	Catalog Number	Comments
LR Clonase II Plus enzyme	Thermo Fisher Scientific	12538120	Recombinase enzyme required for Gateway cloning (Step 1) into pDEST BiFC destination vectors
Proteinase K, recombinant, PCR grade	Thermo Fisher Scientific	EO0491	
14 mL round-bottomed polypropylene tube	Corning	352059	
Ampicillin	Roche Diagnostics Australia	10835242001	Stock solution prepared at 100 µg/mL in distilled water.
Miniprep kit	Promega Corporation	A1330	
Maxiprep kit	Life Technologies Australia	K2100-07	
DMEM	Gibco	11995-073	
FBS	Life Technologies Australia	10099-141	
Penicillin/Streptomycin	Life Technologies Australia	15070-063	
jetPRIME transfection buffer	Polyplus	114-15	
jetPRIME transfection reagent	Polyplus	114-15	
PhosSTOP (Phosphatase inhibitor)	Sigma-Aldrich	4906837001	
cOmplete, Mini, EDTA-free Protease inhibitor cocktail	Roche	11873580001	
Cell Scraper	Sarstedt	83.1832	
GFP-Trap_A	Chromotek GmbH	gta-100	GFP nanobody coupled to agarose beads
N-terminal GFP monoclonal antibody	Covance	MMS-118P	Will detect the V1 tag within the BiFC vectors
C-terminal GFP monoclonal antibody	Roche	11814460001	Will detect the V2 tag within the BiFC vectors
Sample buffer	Invitrogen	NP0008	Supplemented with 1 mL β-mercaptoethanol.
Sequencing grade modified trypsin	Promega Corporation	V5117h	
LoBind microcentrifuge tubes	Point of Care Diagnostics	0030 108 116	
Iodoacetamide	Sigma-Aldrich	I1149-5G	Prepared at 5 mg/mL in ultrapure water

Trifluoroacetic Acid - Sequanal Grade	Thermo Fisher	10628494	
3M Empore solid phase extraction C18 disks (octadecyl) - 4.7 cm	Thermo Fisher	14-386-2	To prepare stage tips, cut 1 mm disks using an appropriately sized hole punch. Alternatively, pre-prepared stage tips can also be purchased, see below.
C18 Stage Tips, 10 µL bed	Thermo Fisher	87782	
Formic acid OPTIMA for LC/MS grade 50mL	Thermo Fisher	FSBA117-50	
1.9 µm C18 ReproSil particles	Dr. Maisch GmbH	r119.aq.	Stationary phase particles
Acetonitrile OPTIMA LC/MS grade	Thermo Fisher	FSBA955-4	
Easy-nLC HPLC	Thermo Fisher		
LTQ Orbitrap Velos Pro	Thermo Fisher		
Triton X-100	Sigma-Aldrich	T8787	Non-ionic detergent (100%)
DH5α cells	Thermo Fisher		Heat-shock-competent cells