

Materials List for:

In Vesiculo Synthesis of Peptide Membrane Precursors for Autonomous Vesicle Growth

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Materials

Name	Company	Catalog Number	Comments
2xYT	MP biomedical	3012-032	
3-PGA	Sigma-Aldrich	P8877	
5PRIME Phase Lock Gel™ tube	VWR	733-2478	
alkine-conjugated Cy3	Sigma-Aldrich	777331	
alkine-conjugated Cy5	Sigma-Aldrich	777358	
ATP	Sigma-Aldrich	A8937	
benzamidin	Carl Roth	CN38.2	
BL21 Rosetta 2 E. coli strain	Novagen	71402	
Bradford BSA Protein Assay Kit	Bio-rad	500-0201	
cAMP	Sigma-Aldrich	A9501	
carbenicillin	Carl Roth	6344.2	
Chloramphenicol	Sigma-Aldrich	C1919	
chloramphenicol	Carl Roth	3886.3	
chloroform	Carl Roth	4432.1	
CoA	Sigma-Aldrich	C4282	
CTP	USB	14121	
CuSO ₄	Carl Roth	P024.1	
DFHBI	Lucerna Technologies	410	
DMSO	Carl Roth	A994.1	
DNase I	NEB	M0303S	
DTT	Sigma-Aldrich	D0632	
Ethanol	Carl Roth	9065.2	
Folinic acid	Sigma-Aldrich	F7878	
Glass beads, acid-washed	Sigma-Aldrich	G1277	
GTP	USB	16800	
HEPES	Sigma-Aldrich	H6147	
IPTG (β-isopropyl thiogalactoside)	Sigma-Aldrich	I6758	
KCl	Carl Roth	P017.1	
K-glutamate	Sigma-Aldrich	G1149	
LB Broth	Carl Roth	X968.2	
lysozyme	Sigma-Aldrich	L6876	

methanol	Carl Roth	82.2	
MgCl ₂	Carl Roth	KK36.3	
Mg-glutamate	Sigma-Aldrich	49605	
Micro Bio-Spin Chromatography Columns	Bio-Rad	732-6204	
NAD	Sigma-Aldrich	N6522	
NHS-azide linker (γ-azidobutyric acid oxysuccinimide ester)	Baseclick	BCL-033-5	
PEG-8000	Carl Roth	263.2	
pH stripes	Carl Roth	549.2	
phenylmethylsulfonyl fluoride	Carl Roth	6367.2	
phosphate-buffered saline	VWR	76180-684	
phosphoric acid	Sigma-Aldrich	W290017	
polyethyleneimine	Sigma-Aldrich	408727	
Potassium phosphate dibasic solution	Sigma-Aldrich	P8584	
Potassium phosphate monobasic solution	Sigma-Aldrich	P8709	
Qiagen Miniprep Kit	Qiagen	27106	
RNAPol reaction buffer	NEB	B9012	
RNase inhibitor murine	NEB	M0314S	
RNaseZap Wipes	ThermoFisher	AM9788	
rNTP	NEB	N0466S	
Roti-Phenol/Chloroform/Isoamyl alcohol	Carlroth	A156.1	
RTS Amino Acid Sampler	5 Prime	2401530	
Slide-A-Lyzer Dialysis Cassettes, 10k MWCO (Kit)	Thermo-Scientific	66382	
sodium chloride	Carl Roth	9265.1	
sodium hydroxide	Carl Roth	8655.1	
Spermidine	Sigma-Aldrich	85558	
sterile-filtered (0.22 μm filter)	Carl Roth	XH76.1	
T7 polymerase	NEB	M0251S	
TBTA (tris(benzyltriazolylmethyl)amine)	Sigma-Aldrich	678937	
TCEP (tris(2-carboxyethyl)-phosphine hydrochloride)	Sigma-Aldrich	C4706	
Tris base	Fischer	BP1521	
tRNA (from E. coli)	Roche Applied Science	MRE600	
UTP	USB	23160	