

Materials List for:

A Convenient and General Expression Platform for the Production of Secreted Proteins from Human Cells

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URL: <https://www.jove.com/video/4041>

DOI: [doi:10.3791/4041](https://doi.org/10.3791/4041)

Materials

Name	Company	Catalog Number	Comments
Alkaline phosphatase (BCIP/NBT) liquid substrate solution	Sigma	B6404	
Antibiotic/Antimycotic, 100X	Invitrogen	15240062	
Anti-HA affinity matrix, clone 3F10	Roche	1815016	
Anti-HA murine mAb, clone 16B12	Covance	MMS-101P	
Cell culture flask, T75 cm ² tissue culture treated	Corning	430641	
Cell culture flask, T225 cm ² tissue culture treated	Corning	431082	
Cell culture plates, 6-well tissue culture treated	Corning	3516	
Cell factory, 10-layer CellSTACK	Corning	3312	
Centramate Omega 5K Cassette	Pall	OS005C12	
Centramate Omega 30K Cassette	Pall	OS030C12	
Chromatography glass column, 1.0x10 cm	Kontes	4204001010	
Ciprofloxacin	Sigma	17850	
CO ₂			
Dulbecco's modified Eagle's media (DMEM)	Sigma	D5796	
Fetal bovine serum (FBS), heat inactivated	Invitrogen	12484-028	
FuGENE HD transfection reagent	Promega	4709691001	
GeneJuice transfection reagent	EMD/Merck	70967-6	
Glycine	Sigma	G8898	
Goat anti-mouse IgG F(ab') ₂ alkaline phosphatase-conjugated antibody	Thermo Scientific	31324	
Hemagglutinin (HA) peptide, 100 mg (sequence: YPYDVPDYA; 95% purity)	Genscript	custom synthesis	
HEK 293T cells	ATCC	CRL-11268	
Household bleach (4% w/v sodium hypochlorite)	various brands are available		
Immobilon-P PVDF membrane	Millipore	IPVH07850	

MiniPrep plasmid purification kit, PureLink Quick	Invitrogen	K2100-11	
MaxiPrep plasmid purification kit, PureLink HiPure	Invitrogen	K2100-07	
Na ₃	Sigma	S8032	
pDISPLAY expression vector	Invitrogen	V660-20	
Penicillin/streptomycin (pen/strep), 100X	Invitrogen	15140-122	
Phosphate-buffered saline (PBS), sterile 1X	Sigma	D8537	
Polyethyleneimine (PEI), linear 25 kDa	Polyscience	23966	
Skim milk dry powder	Carnation		
Stericup-GP PES vacuum filtration unit, 0.22 µm, 500 ml capacity	Millipore	SCGPU05RE	
Trypan blue	Invitrogen	15250061	
Trypsin-EDTA, 0.05% (w/v)	Invitrogen	25300-054	
Tween-20	Sigma	P7949	
Valproic acid	Sigma	P4543	
Centramate tangential flow system	Pall		
CO ₂ humidified incubator, standard 6.0 cu. ft.	various brands are available		
Electrophoresis and transfer unit	various brands are available		
Incubator, 37 °C	various brands are available		