

Materials List for:

Expression, Purification, and Antimicrobial Activity of S100A12

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URL: <https://www.jove.com/video/55557>

DOI: [doi:10.3791/55557](https://doi.org/10.3791/55557)

Materials

Name	Company	Catalog Number	Comments
S100A12 Expression			
Expression cells			
BL 21 (DE3) competent cells	New England Biolabs	C25271	
Autoinduction medium components			
Yeast Extract	Research Products International	Y20020-250.0	
NaCl	Research Products International	S23020-500.0	
Tryptone	Research Products International	T60060-250.0	
FeCl ₃	Sigma-Aldrich	F2877	
MgSO ₄	Research Products International	M65240-100.0	
Na ₂ HPO ₄	Research Products International	S23100-500.0	
KH ₂ PO ₄	Research Products International	P41200-500.0	
NH ₄ Cl	Research Products International	A20424-500.0	
Na ₂ SO ₄	Research Products International	S25150-500.0	
Glycerol	Research Products International	G22020-1.0	
D-glucose	Research Products International	G32040-500.0	
lactose	Sigma-Aldrich	L2643	
Selection agent			
ampicillin	Research Products International	A40040-5.0	
S100A12 Purification			
AKTA Start Chromatography System	GE	29-220-94	
HiTrap Q Sepharose Fast Flow	GE	17-5156-01	
HiPrep 16/60 S-200 HR	GE	17-1166-01	
Nanodrop lite spectrophotometer	Thermo Fisher Scientific	ND-LITE	
Tris Base	Research Products International	T60040-1000.0	
<i>H. pylori</i> Culture			
Blood agar plates	Lab Supply Company	BBL221261	
Brucella broth	Sigma-Aldrich	B3051	
Cholesterol (250x)	Thermo Fisher Scientific	12531018	
NaCl	Sigma-Aldrich	793566	
CaCl ₂	Sigma-Aldrich	C4901	
β-mercaptoethanol	Sigma-Aldrich	M6250	

Tris Base	Sigma-Aldrich	T1503	
Zinc Chloride	Sigma-Aldrich	229997	