

Materials List for:

Targeting Cysteine Thiols for *in Vitro* Site-specific Glycosylation of Recombinant Proteins

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URL: <https://www.jove.com/video/56302>

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Materials

Name	Company	Catalog Number	Comments
Phusion DNA Polymerase	Thermo Fisher Scientific	F530S	Use in step 1.3.
Generuler 1kb DNA Ladder	Thermo Fisher Scientific	FERSM1163	Use in step 1.6.
DpnI Restriction Enzyme	New England Biolabs, Inc.	R0176	Use in step 1.8.
Presto Mini Plasmid Kit	GeneAid, Inc.	PDH300	Use in step 1.16.
BL21 DE3 codon (+) E. coli	Agilent Technologies, Inc.	230280	Use in step 2.1.
DH5a E. coli	Invitrogen, Inc.	18265017	Use in step 1.9.
0.22 mm Syringe Filter	Millipore, Inc.	SLGV033RS	Use in step 2.3.
HisPur Ni ²⁺ -NTA Agarose Resin	Thermo Fisher Scientific	88221	Use in step 3.3.
3,500 Da MWCO Dialysis Tubing	BioDesign, Inc.	D306	Use in step 3.8, 3.16, 4.2, 4.5 and 4.6.
Bovine Thrombin	BioPharm Laboratories, Inc.	SKU91-055	Use in step 3.9.
5 mL HiTrap Q FF Anion Exchange Column	GE Healthcare, Inc.	17-5156-01	Use in step 3.11.
Glucose-5-MTS	Toronto Research Chemicals, Inc.	G441000	Use in step 4.1.
Vivaspin 20 Ultrafiltration Centrifugal Concentrators	Sartorius, Inc.	VS2001	Use in step 3.11, 4.2, 4.5 and 4.6.
PageRuler Unstained Broad Protein Ladder	Thermo Fisher Scientific	26630	Use in step 3.7, 3.10 and 3.15
HiTrap Q FF Anion Exchange Column	GE Healthcare, Inc.	17-5053-01	Use in step 3.12.
AKTA Pure Fast Protein Liquid Chromatography System	GE Healthcare, Inc.	29018224	Use in step 3.14.
600 MHz Varian Inova NMR Spectrometer	Agilent Technologies, Inc.		Use in step 5.2 and 5.5.