

Materials List for:

A Facile Protocol to Generate Site-Specifically Acetylated Proteins in *Escherichia Coli*

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Materials

Name	Company	Catalog Number	Comments
Bradford protein assay	Bio-Rad	5000006	Protein concentration
4x Laemmli Sample Buffer	Bio-Rad	1610747	SDS sample buffer
Coomassie G-250 Stain	Bio-Rad	1610786	SDS-PAGE gel staining
4-20% SDS-PAGE ready gel	Bio-Rad	4561093	Protein determination
Ac-K-100 (HRP Conjugate)	Cell Signaling	6952	Antibody
IPTG	CHEM-IMPEX	194	Expression inducer
N ^ε -Acetyl-L-lysine	CHEM-IMPEX	5364	Noncanonical amino acid
PD-10 desalting column	GE Healthcare	17085101	Desalting
Q5 Site-Directed Mutagenesis Kit	NEB	E0554	Introducing the stop codon
BL21 (DE3) cells	NEB	C2527	Expressing strain
QIAprep Spin Miniprep Kit	QIAGEN	27106	Extracting plasmids
Ni-NTA resin	QIAGEN	30210	Affinity purification resin
nicotinamide	Sigma-Aldrich	N3376	Deacetylase inhibitor
β-Mercaptoethanol	Sigma-Aldrich	M6250	Reducing agent
BugBuster Protein Extraction Reagent	Sigma-Aldrich	70584	Breaking cells
Benzonase nuclease	Sigma-Aldrich	E1014	DNase
ECL Western Blotting Substrate	ThermoFisher	32106	Chemiluminescence
Premixed LB Broth	VWR	97064	Cell growth medium
Bovine serum albumin	VWR	97061-416	western blots blocking