

Materials List for:

Methods to Identify the NMR Resonances of the ¹³C-Dimethyl N-terminal Amine on Reductively Methylated Proteins

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Materials

Name	Company	Catalog Number	Comments
Acetonitrile	Sigma	34851	
Amicon Ultra 4 ml centrifugal filter (3k MWCO)	Fisher Scientific	UFC800308 (8pk)	
Aminopeptidase	Creative Biomart	Aminopeptidase-86A	
Ammonium bicarbonate	Sigma	A6141	
Ammonium sulfate	Sigma	A5132	
Borane-dimethylamine complex	Sigma	180238	Make fresh 1 M solution before use.
Boric acid	Sigma	B6768	
Bovine pancreas insulin	Sigma	I5500	
C18 Spin Columns	Thermo Scientific	89870	
Deuterium oxide	Cambridge Isotope Laboratories	DLM-4-100	
1,2-dichloroethane- ¹³ C ₂	Sigma	714321	80 mM stock solution stored at -80 °C. Used as reference in NMR spectra at 24 mM.
Formaldehyde (36.5% wt/wt)	Sigma	33220	Make fresh 1 M solution before use.
¹³ C-formaldehyde (99%)	Cambridge Isotope Laboratories	CLM-806-1	Make fresh 1 M solution before use.
Lysozyme (hen egg white)	Sigma	L6376	
Sodium phosphate (dibasic heptahydrate)	Sigma	S9390	
Sodium phosphate (monobasic)	Sigma	S9638	
Tricine	Sigma	T0377	
Trifluoroacetic acid	Sigma	302031	
700 MHz Varian VNMRS with 5 mm HCN 5922 probe	Agilent Technologies		
Bruker UltrafleXtreme MALDI TOF/TOF	Bruker		