

Materials List for:

A Hydrogen-Deuterium Exchange Mass Spectrometry (HDX-MS) Platform for Investigating Peptide Biosynthetic Enzymes

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Materials

Name	Company	Catalog Number	Comments
Reagents			
[glu-1]-fibrinopeptide B (Glu-Fib)	BioBasic	NA	
0.5 mL Amicon Ultracel 10k centrifugal filtration device (Millipore)	Millipore Sigma	UFC501096	
acetonitrile	Fisher	A955-1	
AMP-PNP	SIGMA	A2647-25MG	
ATP	SIGMA	a2383-5G	
D2O	ALDRICH	435767-100G	
formic acid	Thermo Fisher	28905	
guanidine-HCl	VWR	97063-764	
HEPES	Fisher	BP310-1	
Magnesium chloride	SIGMA-Aldrich	63068-250G	
Potassium chloride	BioBasic	PB0440	
potassium phosphate	BioBasic	PB0445	
TCEP Hydrochloride	TRC Canada	T012500	peptide was synthesized upon request
Name of Material/ Equipment	Company	Catalog Number	Comments/Description
software			
Deuteros	Andy M C Lau, et al	version 1.08	
DynamX	Waters	version 3.0	
MassLynx	Waters	version 4.1	
Protein Lynx Global Server (PLGS)	Waters	version 3.0.3	
PyMOL	Schrödinger	version 2.2.2	
Name of Material/ Equipment	Company	Catalog Number	Comments/Description
Instrument and equipment			
ACQUITY UPLC BEH C18 analytical Column	Waters	186002346	
ACQUITY UPLC BEH C8 VanGuard Pre-column	Waters	186003978	
ACQUITY UPLC M-Class HDX System	Waters		
HDX Manager	Waters		
microtip pH electrode	Thermo Fisher	13-620-291	
Waters Enzymate BEH column or Pepsin column	Waters	186007233	

Waters Synapt G2-Si	Waters		
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