

Materials List for:

# Phosphopeptide Enrichment Coupled with Label-free Quantitative Mass Spectrometry to Investigate the Phosphoproteome in Prostate Cancer

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## Materials

Name	Company	Catalog Number	Comments
Ultra-Low Temperature Freezer	Panasonic	MDF-U76V	
Freezer -20 °C	VWR	scpmf-2020	
Swing rotor bucket	ThermoFisher Scientific	75004377	
Vacuum manifold	Restek	26080	
Lyophilizer	Labconco	7420020	
CentriVap Benchtop Vacuum Concentrator	Labconco	7810010	
End-over-end rotator	ThermoFisher Scientific	415110Q	
Razor blade	Fisher Scientific	620177	
Amicon Ultra-15 Centrifugal Filter Units	Millipore Sigma	UFC901024	
Glass culture tubes	Fisher Scientific	14-961-26	
Parafilm	Fisher Scientific	13-374-12	
20G needle	BD	B305175	
Kimwipes	Fisher Scientific	06-666A	
Screw cap cryotube	ThermoFisher Scientific	379189	
Nunc 15 mL conical tubes	ThermoFisher Scientific	12-565-268	
Gel loading tips	Fisher Scientific	02-707-181	
Millipore 0.2 µm spin filter	Millipore Sigma	UFC30GVNB	
Low protein-binding Eppendorf tubes	Eppendorf	22431081	
anti-Phosphotyrosine, Agarose, Clone: 4G10	Millipore Sigma	16101	
27B10.4 antibody	Cytoskeleton	APY03-beads	
Peptide assay kit	Thermo Scientific	23275	Step 7
TopTip	PolyLC Inc	TT200TIO.96	Steps 5 and 9
SCX columns (PolySULFOETHYL A)	PolyLC Inc	SPESE1203	
3 mL syringe	BD	309657	

Trifluoroacetic Acid (TFA)	Fisher Scientific	PI-28904	
Acetonitrile (ACN)	Fisher Scientific	A21-1	
Lactic acid	Sigma-Aldrich	69785-250ML	
Ammonium Hydroxide	Fisher Scientific	A669S-500	
Potassium Phosphate Monobasic	Fisher Scientific	BP362-500	
Potassium Chloride	Fisher Scientific	BP366-500	
Calcium Chloride Dihydrate	Fisher Scientific	BP510-500	
Tris Base	Fisher Scientific	BP152-5	
Trypsin, TPCK Treated	Worthington Biochemicals	LS003740	
Lysyl Endopeptidase	Wako Pure Chemical Industries, Ltd.	125-05061	
MonoTip	PolyLC Inc	TT200TIO.96	Step 10
ZipTip	MilliporeSigma	ZTC18S096	Step 6
nanoEase, MZ peptide BEH C18, 130A, 1.7 $\mu$ m, 75 $\mu$ m x 20 cm	Waters	186008794	Step 11: analytical column
Acclaim PepMap 100 C18 LC Columns	ThermoFisher Scientific	164535	Step 11: trap column
Ultimate 3000 RLSCnano System	Dionex	ULTIM3000RSLCNANO	Step 11
Q Exactive HF	ThermoFisher Scientific	IQLAAEGAAPFALGMBFZ	Step 11
MilliQ water			deionized water used to prepare all solutions and buffers
Sonic Dismembrator	Fisher Scientific	FB-120	sonicator
Polytron System PT	Kinematica AG	PT 10-35 GT	homogenizer