

Materials List for:

# High Resolution Quantitative Synaptic Proteome Profiling of Mouse Brain Regions After Auditory Discrimination Learning

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## Materials

Name	Company	Catalog Number	Comments
3 M Empore Solid Phase Extraction- Filter	3M Bioanalytical Technologies	4245SD	7 mm/3 ml
Acclaim PepMap 100	Dionex/Thermo Scientific	164564	100 µm x 2 cm, C18
Acclaim PepMap 100	Dionex/Thermo Scientific	164569	75 µm x 25 cm, C18
Acetic acid	Carl Roth GmbH	3738.1	
Acetonitrile (ACN)	Carl Roth GmbH	AE70.2	
Acrylamide (30%)	AppliChem	A0951	
Ammonium hydrogen carbonate	Fluka	9830	
Ammonium hydroxide	Fluka	44273	
Ammonium persulfate (APS)	AppliChem	A2941	
Biofuge <i>pico</i>	Heraeus GmbH	75003280	
Blue R-250	SERVA Electrophoresis GmbH	17525	
Bromophenol Blue	Pharmacia Biotech	17132901	
C57BL/6J mice	Charles River		
Cantharidin	Carl Roth GmbH	3322.1	
Centrifuge tubes for MLS-50	Beckman Coulter	344057	
Centrifuge tubes for TLA 100.1 rotor	Beckman Coulter	343776	
Dithiothreitol (DTT)	AppliChem	A1101	
Eppendorf 5417R centrifuge	VWR	22636138	
Eppendorf A-8-11 rotor	VWR	5407000317	
Formic acid	Fluka	14265	
GeneCodis	<a href="http://genecodis.cnb.csic.es/">http://genecodis.cnb.csic.es/</a>		
Gephi	<a href="https://gephi.org/">https://gephi.org/</a>		
Glycerol	AppliChem	A1123	
Glycine	AppliChem	A1067	
HALT Phosphatase Inhibitor Cocktail	Pierce /Thermo Scientific	78420	
HEPES Buffer solution	PAA Laboratories GmbH	S11-001	
Homogenization vessel 2 ml	Sartorius AG	854 2252	
Hydrochloric acid	Sigma-Aldrich	H1758	
Imidazole	Sigma-Aldrich	I2399	

Ingenuity Pathway Analysis	Qiagen		
Iodoacetamide (IAA)	Sigma-Aldrich	I1149	
Laboratory drilling drive K-ControlTLC 4957	Kaltenbach & Vogt GmbH	182997	
LTQ Tune Plus 2.7.0.1112 SP2	Thermo Scientific		
LTQ Orbitrap Velos Pro	Thermo Scientific		
Macs-mix tube rotator	Miltenyi Biotech	130-090-753	
Magic Scan 4.71	UMAX		
Methanol	Carl Roth GmbH	AE71.2	
MLS-50 rotor	Beckman Coulter	367280	
Optima MAX Ultracentrifuge	Beckman Coulter	364300	
PageRuler Prestained Protein Ladder	Thermo Scientific	26616	
PEAKS 7.5	Bioinformatic Solutions		
Phosphatase Inhibitor Cocktail 3	Sigma-Aldrich	P0044	
PhosphoRS 3.1	IMP/IMBA/GMI		
PhosSTOP	Roche	4906845001	
Plunger/pestle made of PTFE	Sartorius AG	854 2651	
PotterS homogenizer	Sartorius AG	853 3024	
Protease Inhibitor complete mini	Roche	4693159001	
Quantity One 4.5.1	BioRad		
RapiGest	Waters	186002122	
Shuttle box	Coulbourn Instruments		
Sodium dodecylsulfate (SDS)	AppliChem	A1112	
Sodium molybdate	Carl Roth GmbH	274.2	
Sodium tartrate dihydrate	Sigma-Aldrich	228729	
SONOREX RK 156 Ultrasonic Bath	BANDELIN electronic GmbH & Co. KG	305	
Soundproof chamber	Industrial Acoustics Company		
Sucrose	Carl Roth GmbH	4621.2	
Tetramethyl ethylene -1,2-diamine (TEMED)	Sigma-Aldrich	T9281	
Thermomixer <i>basic</i>	CallMedia	111000	
<a href="#">Titansphere TiO 5µm</a>	GL Sciences Inc. Japan	502075000	
TLA 100.1 rotor	Beckman Coulter	343840	
Trifluoro acetic acid (TFA)	Sigma-Aldrich	T6508	
Tris ( hydroxymethyl) aminomethane (TRIS)	AppliChem	A1086	
Triton X-100	Sigma-Aldrich	T8532	
Trypsin Gold	Promega	V5280	
Ultimate 3000 Ultra HPLC	Dionex/Thermo Scientific		
Ultracentrifuge tube	Beckman Coulter	343776	
Unijet II Refrigerated Aspirator	Uniequip Laborgeräte- und Vertriebs GmbH		
UNIVAPO 100 H Concentrator Centrifuge	Uniequip Laborgeräte- und Vertriebs GmbH		
Urea	AppliChem	A1049	

Water (high quality purified)			Resistivity: > 18.2 MΩ*cm at 25 °C Pyrogens: < 0.02 EU/ml TOC: < 10 ppb
Xcalibur 3.0.63	Thermo Scientific		
ZipTip <sub>C18</sub> Pipette Tips	MILLIPORE	ZTC18S960	