

Efficient and Scalable Production of Full-length Human Huntingtin Variants in Mammalian Cells using a Transient Expression System

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jove.com/video/63190

Materials

Name	Company	Catalog Number	Comments
100 kDa concentrator-Amicon	Millipore	UFC910096	Protocol Section Number-6.2.4
20x blue native PAGE running buffer	Invitrogen	BN2001	Protocol Section Number-8.1
20x TBS	Thermo Fisher	PI28358	Protocol Section Number-5.1
4x blue native PAGE sample buffer	Invitrogen	BN2003	Protocol Section Number-8.3
4x LDS loading buffer	Invitrogen	NP0007	Protocol Section Number-5.3
5 L Erlenmeyer flasks	Corning	431685	Protocol Section Number-4.2
Agarose gel extraction kit	Qiagen	28704	Protocol Section Number-2.2
Anti-clumping agent	Thermo Fisher	0010057AE	Protocol Section Number-4.8
anti-FLAG M2 affinity gel	Sigma	A2220	Protocol Section Number-6.1.1
anti-FLAG M2	Sigma	F3165	Protocol Section Number-5.7
Anti foam-Excell anti foam	Sigma	59920C-1B	Protocol Section Number-4.8
ATP	Sigma	A6419	Protocol Section Number-6.1.4.4
BEH 450 SEC	Waters	186006851	2.5 µm x 4.6 mm x 150 mm Protocol Section Number-7.3
blue native PAGE 5% G-250 sample additive	Invitrogen	BN2004	Protocol Section Number-8.3
carbenicillin	Thermo Fisher	10177012	Protocol Section Number-2.5
centrifuge - Sorvall Lynx 6000	Thermo Fisher	75006590	Protocol Section Number-6.1.3
Cell Counter - ViCELL	BECKMAN COULTER		Protocol Section Number-4.3
CHAPS	Anatrace	C316S	Protocol Section Number-6.1.4.6
Competent E. coli cells-TOP10	Invitrogen	C404010	Protocol Section Number-2.4
digitonin	Sigma	D141	Protocol Section Number-5.1
differential refractive index detector	Wyatt		Protocol Section Number-7.1
DYKDDDDK peptide	Genscript		Peptide synthesis service Protocol Section Number-6.1.4.6
EDTA	Sigma	EDS	Protocol Section Number-5.1
EndoFree Plasmid Giga Kit	Qiagen	12391	Protocol Section Number-3.3

Endotoxin free water	Cytiva	SH30529.03	Protocol Section Number-4.1
endotoxin quantification kit-CRL Endosafe Nexgen-PTS detection system	Charles River	PTS150K	Protocol Section Number-3.4
fixed angle rotor A23-6x100 rotor	Thermo Fisher	75003006	Protocol Section Number-6.1.3
FPLC software- Unicorn 6.2	Cytiva		Protocol Section Number-6.1.4
Gene synthesis	Genscript		Gene synthesis service Protocol Section Number-1.2
Glycerol	Fisher Scientific Glycerol (Certified ACS)	G33-4	Protocol Section Number-5.6
Growth Medium-Expi293 expression medium	Thermo Fisher	A1435102	Protocol Section Number-4.2
HEK293 cells	Thermo Fisher	R79007	Protocol Section Number-4
high shear homogenizer-Microfluidizer	MicroFluidics	LM10	Protocol Section Number-6.1.3
HPLC - 1260 infinity II Bio-Insert HPLC	Agilent		Protocol Section Number-7.1
Image Studio	LiCor		Image analysis software Protocol Section Number-5.1
MAB2166	Sigma	MAB2166	Protocol Section Number-5.7
MAB2168	EMD	MAB2168	Protocol Section Number-5.7
MAB3E10	Santa Cruz	SC-47757	Protocol Section Number-5.7
MAB4E10	Santa Cruz	SC-7757	Protocol Section Number-5.7
MAB5490	Sigma	MAB5490	Protocol Section Number-5.7
MAB5492	Sigma	MAB5492	Protocol Section Number-5.7
MAB8A4	Santa Cruz	SC-47759	Protocol Section Number-5.7
multi-angle light scattering detector	Wyatt		Protocol Section Number-7.1
NativeMark Unstained Protein Standard	Invitrogen	LC0725	Protocol Section Number-8.4
NaCl	Sigma	S9888	Protocol Section Number-5.6
NheI	New England Biolab	R0131S	Hi-Fi version available Protocol Section Number-2.2
NuPAGE 3–8% Tris acetate gels	Invitrogen	EA0375PK2	Protocol Section Number-5.4
NuPAGE Tris-Acetate SDS Running buffer	Invitrogen	LA0041	Protocol Section Number-5.4
PEI 25K	Polysciences	23966-1	Protocol Section Number-4.1
Penicillin-Streptomycin	Thermo Fisher	15070063	Protocol Section Number-4.2
Phosphate Buffered Saline (PBS)	Cytiva	SH30256.02	Protocol Section Number-4.5
plasmid miniprep kit	Qiagen	27104	Protocol Section Number-2.6
PmeI	New England Biolab	R0560S	Protocol Section Number-2.2
precast Bis-tris gel- 3-12% NativePAGE Novex Bis-Tris Gel	Invitrogen	BN1003BOX	Protocol Section Number-8.4
protease inhibitor cocktail	GoldBio	GB-331-1	Protocol Section Number-5.1
SEC-MALS analysis software - Astra 7	Wyatt Technology		Protocol Section Number-7.6
secondary antibody -IRdye 800 CW goat anti-mouse IgG	LiCor	926-32210	Protocol Section Number-5.9
Superose 6 pg XK 16/70	Cytiva	90100042	Protocol Section Number-6.2
Tris base	Fisher	BP152	Protocol Section Number-5.6
Tween-20	Thermo Fisher	AAJ20605AP	Protocol Section Number-6.1.1
UV spectrometer - Nanodrop 8000	Thermo Fisher	ND-8000-GL	Protocol Section Number-2.2
XK26/100	Cytiva	28988951	Protocol Section Number-6.1.1