

STRUCTURAL GENOMIC QUESTIONNAIRE

Center Name: Berkeley Structural Genomics Center

Date: Mar. 31, 2003

Step	Method/Vendor	Contact Person (e-mail)
Cloning		
Primer Vendor	IDT	HAYokota@LBL.gov
Expression strains used	BL21(DE3)/pSJS1244(tRNA) B834(DE3)/pSJS1244	HAYokota@LBL.gov
Cloning Method(s)	LIC system—7 vectors	HAYokota@LBL.gov
Fusion Tags	His, MBP, GST, Trx, NusA	HAYokota@LBL.gov
Cell Opening Method	a. Misonix 3000—96 well plate b. Microfluidics M-110L for large volumes (>300ml) c. Sonics Sonicator Model 501	BAMartinez@LBL.gov
Target Verification	DNA sequencing or Mass Spec	HAYokota@LBL.gov
Expression/Purification		
Expression analysis (gels)	Mini-protean (Bio-Rad) BMA gels	R_Kim@LBL.gov
Purification equipment	Applied Biosystems: Biocad 700E Biocad Sprint	R_Kim@LBL.gov
Affinity Resin(s)	Clontech Talon (IMAC); HiTrap MC, NEB amylose resin	R_Kim@LBL.gov
Ion Exchange Columns	Amersham Pharmacia: HiTrap Q and S; MonoQ HR10/10	R_Kim@LBL.gov
Sizing Columns	Amersham Pharmacia Superdex 75 16/60 Sephacryl 200 16/60	R_Kim@LBL.gov
Equipment		
Robot for cloning, Mini-purification	Biomek 2000: plasmid prep, PCR reactions, PCR purification and normalization, LIC reaction and transformation, mini-purification	Htnguyen2@LBL.gov
Fermentor	Braun-Biostat C; 10 L	BAMartinez@LBL.gov
Crystallization robots Date purchased	Hydra Plus One (Apogent Technologies) 2/03 Fluidigm chips--testing	J_Jancarik@LBL.gov
Quality Control		
Mass Spec	Applied Biosystems Voyager DE (7/02)	CWHuang@LBL.gov
Dynamic Light Scattering	Protein Solutions DynaPro Model 99	J_Jancarik@LBL.gov