

ABCG5/G8 Crystallization in a Lipidic Bicelle Environment for X-Ray Crystallography

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Materials

Name	Company	Catalog Number	Comments
ABCG5	National Institute of Health collection		NCBI accession number NM_022436
ABCG8	National Institute of Health collection		NCBI accession number NM_022437
ÅKTA FPLC system	Cytiva (formerly GE Healthcare Life Sciences)		
CaCl ₂	Wisent	600-024-CG	Anhydrous
CBP	Agilent	214303	Calmodulin binding peptide affinity resin
Centrifugal concentrators (Vivaspin)	Sartorius		
CHAPSO	Anatrace	C317	Anagrade
Cholesterol	Anatrace	CH200	
CHS	Steraloids	C6823-000	
DMAB	MilliporeSigma	180238	97%
DMNG	Anatrace	NG322	
DMPC	Anatrace	D514	
DOPC	Avanti	850375	
DOPC	Anatrace	D518	
DOPE	Avanti	850725	
DTT	Fisher	BP172	
Dual Thickness MicroLoops	MiTeGen		
EDTA	BioShop	EDT003	Disodium salt, dihydrate
EGTA	MilliporeSigma	324626	
Emulsifier (EmulsiFex-C3)	Avestin		
Endo H	New England Biolabs	P0702	
Ethanol	Greenfield	P016EAAN	Ethyl Alcohol Anhydrous
Formaldehyde	MilliporeSigma	252549	ACS Reagent
Glycerol	BioShop	GLY004	
HEPES	BioShop	HEP001	

HRV-3C protease			Homemade
Imidazole	BioShop	IMD510	Reagent grade
Iodoacetamide	MilliporeSigma	I1149	BioUltra
Isopropanol	Fisher	BP2618212	
Leupeptin	BioShop	LEU001	
MES	MilliporeSigma	69892	BioUltra
Methanol	Fisher	A412P	
MgCl ₂	Wisent	800-070-CG	Hydrated
microfluidizer (LM 20)	Microfluidics		
NaCl	BioShop	SOD002	
NH ₄ OH	Fisher	A669-212	ACS Reagent
Ni-NTA superflow	Qiagen	30430	Nickel-charged resins
PEG 400	MilliporeSigma	202398	
Pepstatin	BioShop	PEP605	
PMSF	MilliporeSigma	P7626	
pSGP18 and pLIC			Homemade (derived from pPICZ, Invitrogen)
SDS	BioShop	SDS003	
Sodium cholate	Fisher	229101	
Sodium malonate	MilliporeSigma	63409	
Sucrose	Wisent	800-081-WG	Ultra pure
Superdex 200 30/100 GL	Cytiva (formerly GE Healthcare Life Sciences)	28990944	Prepacked gel-filtration column
TCEP			
TEM	FEI, Technai		
Tris Base	Fisher	BP152	
β-DDM	Anatrace	D310S	Sol Grade
β-mercaptoethanol	MilliporeSigma		
ε-aminocaproic acid	Fisher	AAA1471936	