

Materials List for:

X-Ray Crystallography to Study the Oligomeric State Transition of the *Thermotoga maritima* M42 Aminopeptidase TmPep1050

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URL: <https://www.jove.com/video/61288>

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Materials

Name	Company	Catalog Number	Comments
1,10-phenanthroline	Sigma-Aldrich	13, 137-7	
Amicon Ultra 0.5 ml Centrifugal Filters Ultracel 30K	Merck Millipore	UFC503096	
Amicon Ultra 15 Centrifugal Filters Ultracel 30K	Merck Millipore	UFC903024	
Benzonase Nuclease	Merck Millipore	70664-3	
CCP4	N/A		visit http://www.ccp4.ac.uk/
cOmplete EDTA-free	Roche	5056489001	
Coot	N/A		visit https://www2.mrc-lmb.cam.ac.uk/personal/pemsley/coot/
Crystal Screen I	Hampton Research	HR2-110	
Crystal Screen II	Hampton Research	HR2-112	
DreamTaq Green PCR Master Mix	ThermoFisher Scientific	K1082	
EasyXtal 15-well tool	NeXtal	132007	
Escherichia coli PPY strain	N/A		see reference 31
Escherichia coli XL1 blue strain	Agilent	200249	
Gel Filtration Calibration Kit HMW	GE Healthcare Life Sciences	28-4038-42	
Gel Filtration Calibration Kit LMW	GE Healthcare Life Sciences	28-4038-41	
Gel Filtration Standard	Biorad	1511901	
GeneJET Plasmid Miniprep Kit	ThermoFisher Scientific	K0503	
Index	Hampton Research	HR2-144	
Litholoops	Molecular Dimensions		
L-leucine-p-nitroanilide	Bachem AG	40010720025	
Natrix 1	Hampton Research	HR2-116	
Natrix 2	Hampton Research	HR2-117	
Neggia plugin	Dectris	N/A	visit https://www.dectris.com/
NeXtal Tubes JCSG Core Suite I	NeXtal	130724	
NeXtal Tubes JCSG Core Suite II	NeXtal	130725	
NeXtal Tubes JCSG Core Suite III	NeXtal	130726	
NeXtal Tubes JCSG Core Suite IV	NeXtal	130727	
pBAD-TOPO	ThermoFisher Scientific	K430001	
Phenix	N/A		visit https://www.phenix-online.org/
Phusion High-Fidelity DNA polymerase	ThermoFisher Scientific	F-530L	

Salt RX 1	Hampton Research	HR2-107	
Salt RX 2	Hampton Research	HR2-109	
SnakeSkin Dialysis Tubing, 3.5K MWCO	ThermoFisher Scientific	88242	
Source 15Phe	GE Healthcare Life Sciences	17014702	
Source 15Q	GE Healthcare Life Sciences	17094705	
Superdex 200 prep grade	GE Healthcare Life Sciences	17104301	
Thermotoga maritima MSB8 strain	American Type Culture Collection	ATCC 43589	
TmCD00089984	DNASU Plasmid Repository	N/A	
XDS	N/A		visit http://xds.mpimf-heidelberg.mpg.de/
xdsme	N/A		visit https://github.com/legrandp/xdsme