

T0999

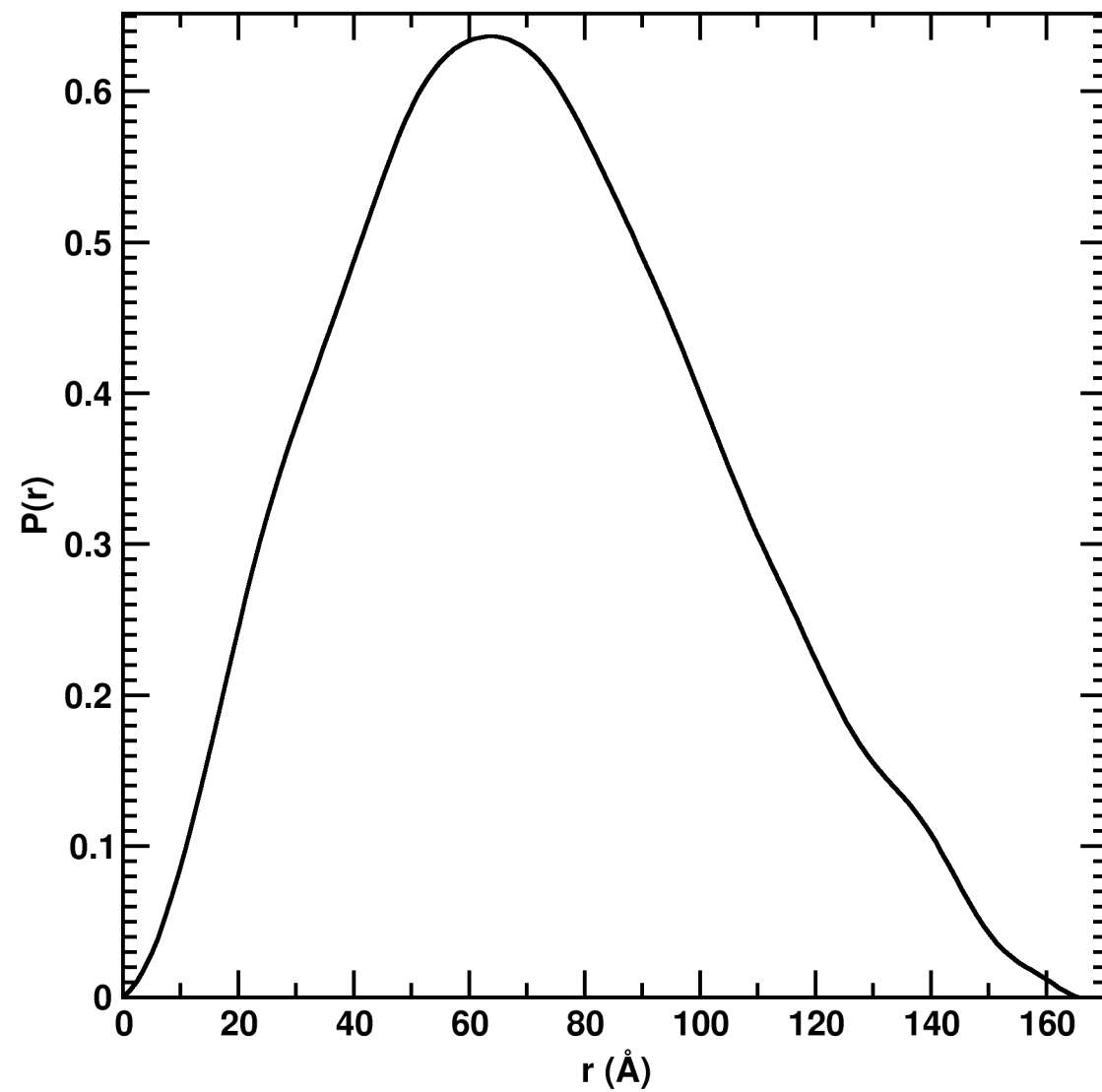
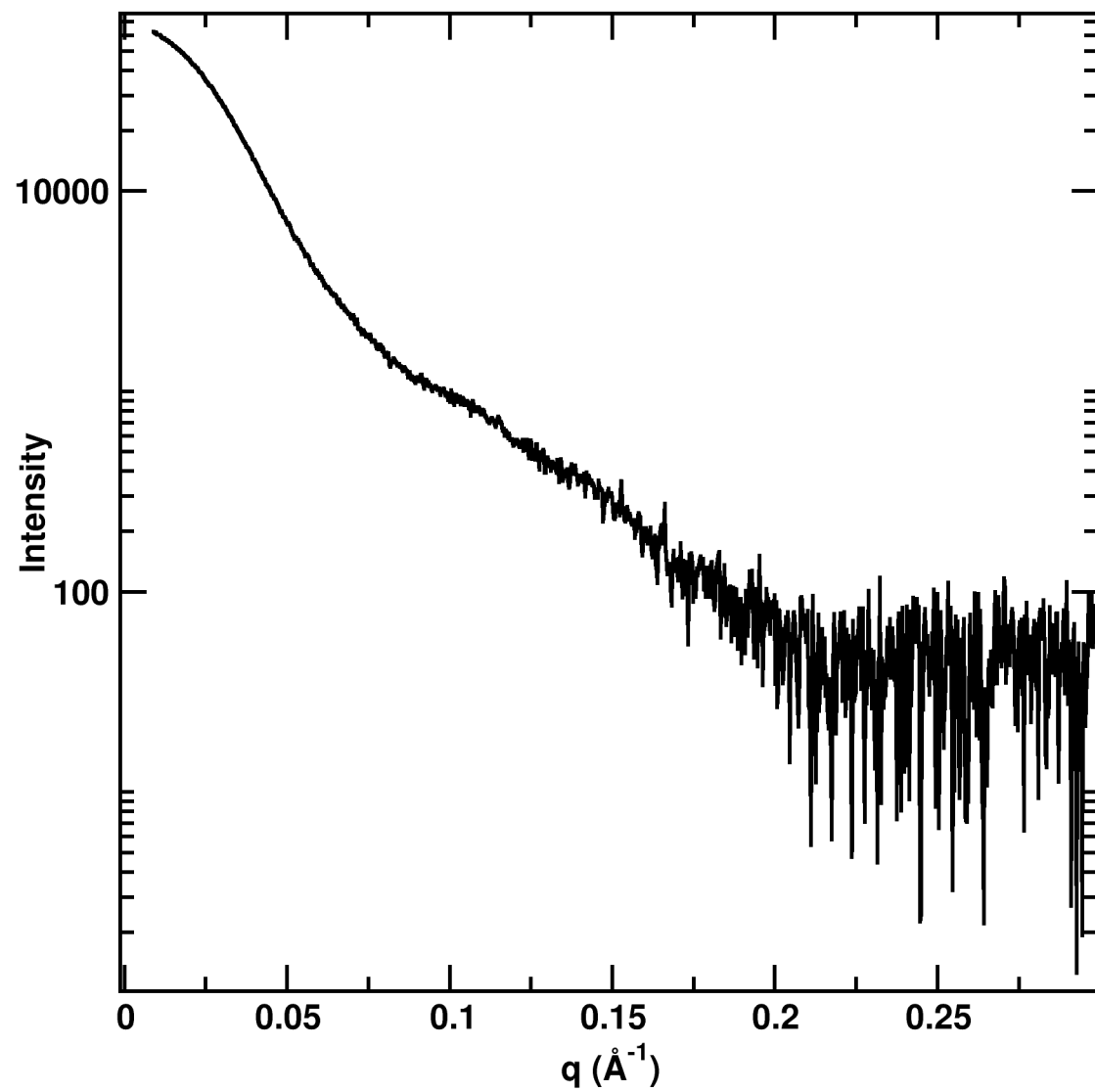
Sample: T0999			
Variable	Value	Error +/-	Units
Rg	54.7	1	Angstroms
Porod Exponent	3.4		Scale (2-4)
Mass SAXS	320	5	kDa
Max Dimension	165 - 170	5	Angstroms
Radius of Cross Section	41.1	1	Angstroms
Volume	880,000	5,000	Cubic Angstroms
Real Space Rg	54.98	3	Angstroms

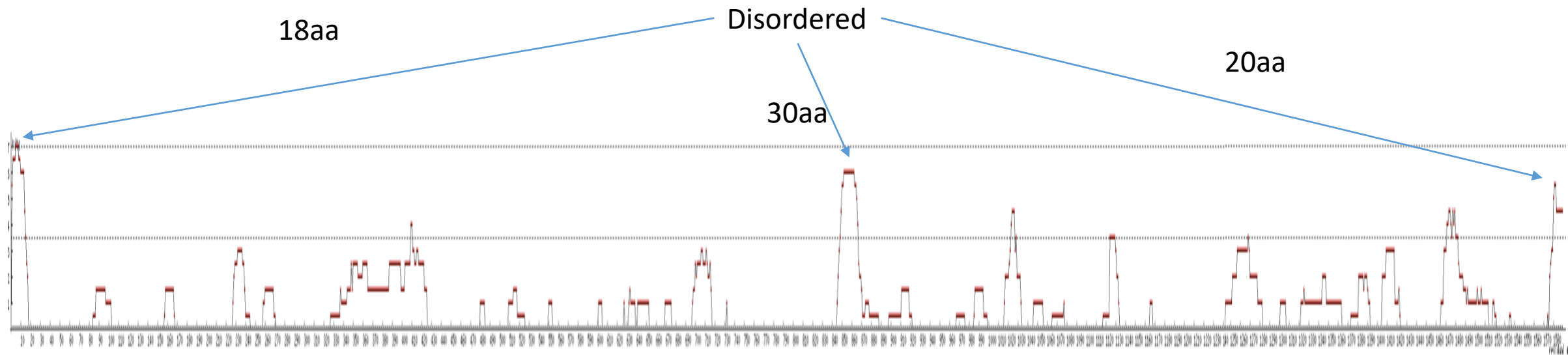
SEC-SAXS collected at Diamond Light Source. Looks good.

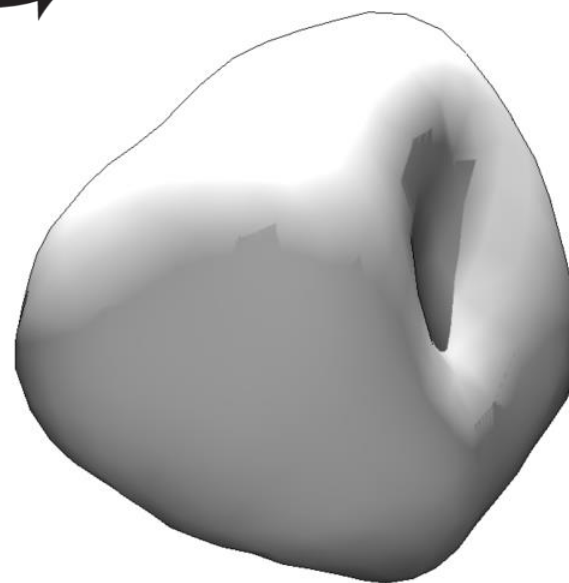
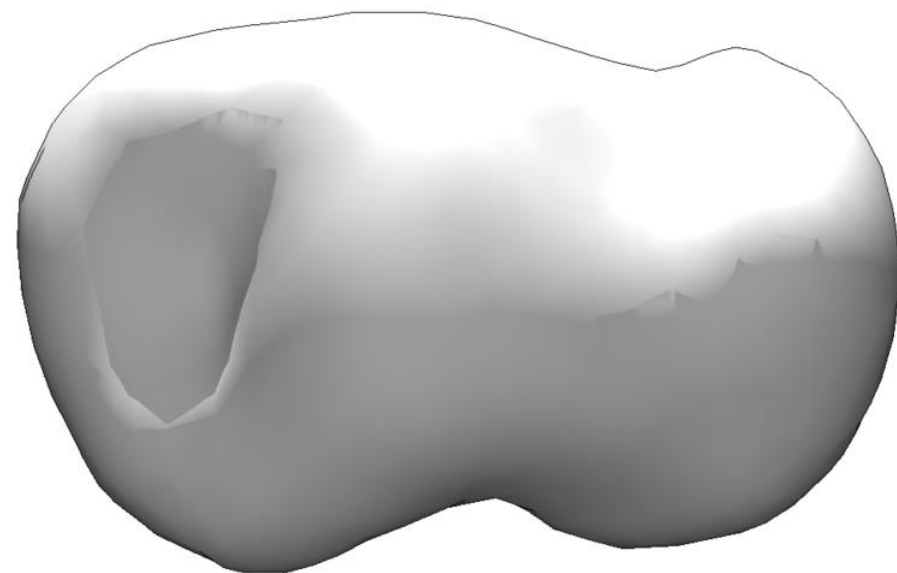
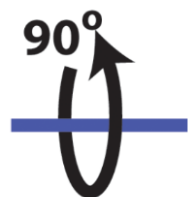
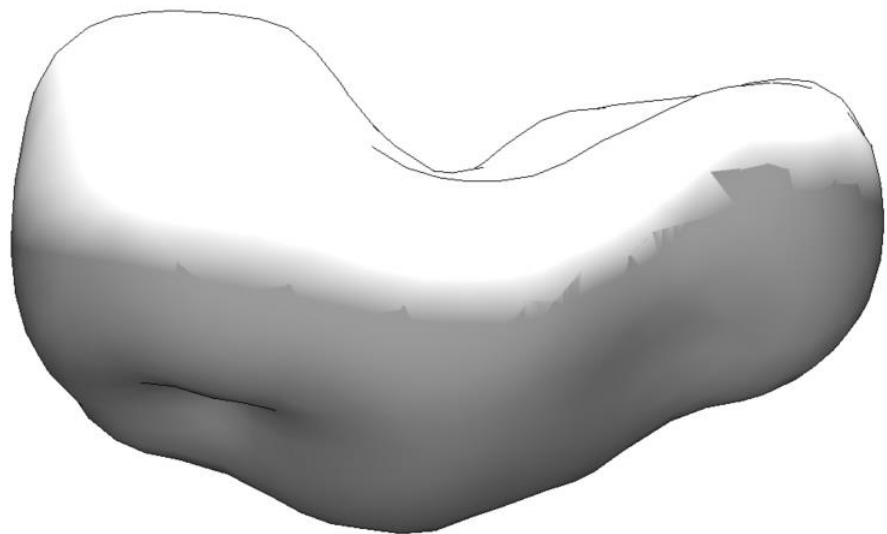


Flexible Homodimer

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VLHGECVAIGMVKEAELARYLGVLRPSAVARLTCLIASYDLPTSVDHKRIAKLSAGKECPVDVLLQKMAVDKKNENGRKKKIVLLSAIGKTYEKKATVVDRAIRLVLSPSVRVTPGVPKGLSVTVTPPGSKSISNRALVLAALGEG
TTRIHGLLHSDDVQYMLAAIEQLHGADFSWEDAGEILVVTGKGGKLQASKEPLYLGNAGTASRFLTSVVALCAPSAVSSTVLTGNARMKVRPIGALVDALRANGVGKYLEKEKSLPVEVDAAGGFAGGVIELAATVSSQYVS
SILMAAPYAHQPVTLRVLVGGKPISQPYIDMTIAMMASFGIKVERSAEDPNTYLIPKGVYKNPPEYVVESDASSATYPLAVAAITGTTCTIPNIGSESLQGDARFAVEVLRPMSGCAVEQTATSTTVTGPPIGTLKAIPHVDMEPM
TDAFLTAAVLAAVADGTTQITGIANQRVKECNRIAAMKDQLAKFGVQCNELEDGIEVIGKPYQELRNPVEGIYCYDDHRVAMSHSVLSTISHPVLILERECTAKTWPGWWDILSQFFKVQLDGEEDPTKRTTQSTQQVRKG
TDRSIFIVGMRGAGKSTAGRWMSELLKRPLVDLDAELERREGMTIPEIIRGERGWEGFRQAELELLQDVIKNQSKGYIFSCGGGIVETEAAARKLLIDYHKNGGPVLLVHRDTDQVVEYLMRDKTRPAYSENIREVYERRKPWF
YECSNLQYHSPHEDGSEALLQPPADFARFVKLIAGQSTHLEDVRAKKHSFFVSLTPNVADALDIIPRVVVGSDAVELRVDLLESYEPEFVARQVALLRAAAQVPIVYTVRTQSQGGKFPDEDYDLALRLYQTGLRSGVEYLDLE
MTMPDHILQAVTDAKGFTSIASHHDPQCKLSWKSGSWIPFYNKALQYGDVIKLVGVAREMADNFALTNFKAKMLAAHDNKPMIALNMGTAGKLSRVLNGLFTPVSHPALPSKAAPGQLSATEIRQALSIGEIEPKSFYLF
GKPISASRSPALHNTLFYKTGLPHHYSRFETDEASKALESIRSPDFGGASVTIPLKLDIMPLLDSATDAARTIGAVNTIIPQTRDGSTTTLVGDNTDWRGMVHALLHSSGSGSVVQRTAAPRGAAMVVGSGGTARAAIYALH
DLGFAPIWIVARSEERVAELVRGFDGYDLRRMTSPHQGKDNMPSVVISTIPATQPIDPSMREVIVEVLKHGHPSAEGKVLLEMAYQPPRTPLMTLAEDQGWRTVGGLEVLAAQGWYQFQLWTGITPLYEEARAAMGED
SVELEHHHHHH – HomoDimer 2*170kDa = 340kDa







Average: NSD 1.995

Concave flat shape with significant discrepancies.

Quality Parameter		Value	Expected
Multiple Concentrations in HT	No	0	3
SEC-SAXS	Yes		
Rg Real and Reciprical Agree	Yes	54.7	54.9
Dmax easy to define	Yes	165-170	
Low Flexibility	No	3.4	
Mass multiple of monomer	Yes	320	Dimer of 170 - 340
Linear Guinier	Once Clipped Back		

MATANVAGAGGSGSEPTRAILGKEDIIVDHGIWLNFVAHDLLQTLPSSTYVLITDTNLYTTYVPPFQAVFEAAAPRDVRLTYAIPPGEYSKSRETKAEIEDWMLSHACTRDTVIIALGGGVIGDMIGYVAATFMRGVRFVQVPTTLLAMVDSSIGGKTAI
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ASYDLPTSVHDKRIAKLSAGKECPVDVLLQKMAVDKKNEGRKKKIVLLSAIGKTYEKKATVVDDRAIRLVLSPSVRVTPGVPKGLSVTVPPGSKSISNRALVLAALGEGTTRIHGLLHSDDVQYMLAAIEQLHGADFSWEDAGEILVVTGKGGKLQASKEPL
YLG NAGTASRFLTSVVALCAPSAVSSTVLGTGNARMKVRPIGALVDALRANGVGVKYLEKEKSLPVEVDAAGGFAGGVIELAATVSSQYVSSILMAAPYAHQPVTLRVLVGGKPISQPYIDMTIAMMASFGIKVERSAEDPNTYLIPKGVYKNPPEYVVESDA
SSATYPLAVAAITGTTCTIPNIGSES LQGDARFAVEVLRPMGC AVEQTATSTTVTGPPIGTLKAIPHVDM EPMTDAFLTA AVLAAVADGTTQITGIANQRVKECNRIAAMKDQLAKFGVQCNELEDGIEVIGKPYQELRNPVEGIYCYDDHRVAMSHSVLS
TISPHPV LILERECTAKTWPGWWDILSQFFKVQLDGEEDPTKRTTQSTQQVRKGTDRSIFIVGMRGAGKSTAGRWMSELLKRPLVDLDAELERREGMTIPEIIRGERGWEGFRQAELELLQDVIKNQSKGYIFSCGGGIVETE AARKLLIDYHKNGGPVLL
VHRDTDQVVEYLMRDKTRPAYSENIREVYERRKPWFYECNLQYHSPHEDGSEALLQPPADFARFVKLIAGQSTHLEDVRAKKHSFFVSLTPPNVADALDIIPRVVVGSDAVELRVDLLESYEPEFVARQVALLRAAAQVPIVYTVRTQSQGGKFPDEDYD
LALRLYQTGLRSGVEYLDLEMTMPDHILQAVTDAKGFTSIIASHHDPQCKLSWKSGSWIPFYNKALQYGDVIKLVGVAREMADNFALT NFKAKMLAAHDNKPMIALNMGTAGKLSRVLNGFLTVPVSHPALPSKAAPGQLSATEIRQALS LIGEIEPKSFYL
FGKPISASRSPALHNTLFYKTGLPHHYSRFETDEASKALES LIRSPDFGGASVTIPLKLDIMPLLD SATDAARTIGAVNTIIPQTRDGSTTTLVGDNTDWRGMVHALLHSSGSGSVVQRTAAPRGAA MVVSGSGGTARA AIYALHDLGF APIWIVARSEERVA
ELVRGFDGYDLRRMTSPHQGKDNMPSVVISTIPATQPIDPSMREVIVEVLKHGHPSAEGKV LLEMAYQPPRTPLMTLAEDQGWRTVGGLEVLAAQGWYQFQLWTGITPLYEEARA AVMGEDSVELEHHHHHHH – HomoDimer 2*170kDa =
340kDA