CryoEM data collection and model validation statistics

	IL-27:IL-27Rα(D1-2):GP130(D1-3)	
Data Collection and processing	Dataset1	Dataset2
Microscope	Titan Krios	Titan Krios
Camera	K3	K3
Magnification	81,000x	81,000x
Voltage	300	300
Electron exposure (e-/Å^2)	50	50
Defocus range (μm)	-0.5 to -2.25	-1.5 to -2.7
Pixel Size (Å/pixel)	1.06	1.06
Symmetry imposed	C1	C1
Initial micrographs	28,437 (0° tilt)	21,474 (30° tilt) 6,12 (35° tilt)
Final micrographs	17,228	18,838
Particles from 2D classification	627,181	1,184,217
Final particle images	203,411 (Merged)	
Global map resolution (Å)	4.0	
FSC threshold	0.143	
Map sharpening B factor (Å^2)	-100	
Model statistics		
Non hydrogen atoms	7,040	
Protein residues	856	
Ligands	0	
B factors	192.42	
R.M.S deviations		
Bond lengths	0.004	
Bond angles	0.755	
MolProbity score	1.79	
Clashscore	8.06	
Poor rotamers (%)	0.65	
Ramachandran plot		
Favoured (%)	94.88	
Allowed (%)	5.12	
Outliers (%)	0	