

**Table S1. Crystallographic statistics. Related to Figure 1.**

<b>Data collection</b>					
Protein (PDB code)	hGPC3 <sup>core</sup> (7ZAW)	mGPC3 <sup>core</sup> (7ZAV)	hGPC3 <sup>core</sup> + rUnc5D <sup>Ig1Ig2TSP</sup> (7ZA1)	mGPC3 <sup>core</sup> + rUnc5D <sup>Ig1Ig2TSP</sup> (7ZA3)	mGPC3 <sup>488</sup> + rUnc5D <sup>Ig1Ig2TSP</sup> (7ZA2)
Space group	P 3 <sub>1</sub> 2 1	P 3 <sub>1</sub> 2 1	P 1 2 <sub>1</sub> 1	P 3 <sub>1</sub>	P 1 2 <sub>1</sub> 1
<b>Cell dimensions</b>					
a, b, c (Å)	100.2, 100.2, 90.2	100.5, 100.5, 90.6	102.6, 157.6, 126.6	119.6, 119.6, 257.9	102.1, 1580, 126.6
α, β, γ (°)	90, 90, 120	90, 90, 120	90, 102.5, 90	90, 90, 120	90, 102.9, 90
Resolution range, highest resolution shell (Å)	86.86-2.58 (2.65-2.58)	90.76-2.90 (2.98-2.90)	123.00-4.10 (4.55-4.10)	80.75-4.0 (4.23-4.0)	66.53-4.60 (4.76-4.60)
R <sub>merge</sub> (%)	7.5 (235.8)	13.0 (202.0)	10.9 (73.0)	5.3 (112.3)	9.28 (82.8)
I/σ(I)	16.0 (0.9)	9.2 (1.1)	3.4 (1.6)	12.6 (2.0)	7.77 (1.8)
Highest resolution shell with I/σ(I) > 2 (Å)	2.72-2.67	3.12-3.06	6.00-5.83	4.23-4.0	4.84-4.74
CC <sub>1/2</sub>	99.9 (32.4)	99.7 (49.3)	99.4 (73.8)	100.0 (76.1)	99.7 (48.5)
Completeness (%)	100.0 (100.0)	100.0 (100.0)	99.9 (10.9)	73.8 (24.4)	99.4 (100.0)
Number of unique reflections	16895 (1239)	12106 (875)	18023 (900)	26038 (1287)	21870 (2165)
Redundancy	15.5 (6.9)	9.5 (9.6)	3.3 (3.5)	8.2 (7.7)	6.6 (6.4)
Wilson B (Å <sup>2</sup> )	87.6	92.0	143.4	269.6	236.1
<b>Refinement</b>					
Resolution (Å)	50.10-2.58 (2.67-2.58)	43.98-2.90 (2.97-2.89)	97.20-4.10 (4.25-4.10)	80.90-4.00	66.60-4.60 (4.76-4.60)
R <sub>work</sub> /R <sub>free</sub> *	0.23/0.28	0.22/0.26	0.32/0.36	0.36/0.38	0.31/0.35
No of non-hydrogen atoms	2864	2786	19646	19445	19445
protein	2836	2758	19148	19188	19188
other	28	28	498	257	257
mean B-values (Å <sup>2</sup> )	100.43	86.61	143.4	269.6	236
<b>Ramachandran plot</b>					
favoured (%)	95.99	96.76	96.10	96.69	96.69

outliers (%)	0.00	0.00	0.42	0.47	0.47
Bond length deviations (Å)	0.004	0.004	0.0079	0.0076	0.0079
Bond angle deviations (°)	0.690	0.670	1.572	1.375	1.384