**Supplementary Table 1 Data collection and refinement statistics (molecular replacement)**

| | human LC3BΔG120 |
|---|---|
| **Data collection** | |
| Space group | P1 |
| Cell dimensions | |
| *a*, *b*, *c* (Å) | 41.64, 56.48, 67.04 |
| α, β, γ (°) | 99.27, 97.45, 109.94 |
| Resolution (Å) | 27.62-1.90 (1.97-1.90)* |
| $R_{merge}$ | 0.093 (0.562) |
| $I / \sigma I$ | 19.0 (1.9) |
| Completeness (%) | 93.5 (94.4) |
| Redundancy | 3.60 (3.60) |
| | |
| **Refinement** | |
| Resolution (Å) | 1.90 |
| No. reflections | 40763 |
| $R_{work}$ / $R_{free}$ | 0.2094/0.2620 |
| No. atoms | |
| Protein | 474 |
| Ligand/ion | 10 |
| Water | 247 |
| *B*-factors (Å) | 32.97 |
| Protein | 32.53 |
| Ligand/ion | 38.43 |
| Water | 39.84 |
| R.m.s. deviations | |
| Bond lengths (Å) | 0.41 |
| Bond angles (°) | 0.54 |

There is 1 crystal for this structure.
*Values in parentheses are for highest-resolution shell.