SUPPLEMENTARY ONLINE DATA

FIGURE LEGENDS:

Figure S1 SdrEN2N3 exists as a monomer in solution and in crystal.
(A) Gel filtration result of apo-SdrEN2N3. (B) Four copies of apo-SdrEN2N3 in the asymmetric unit.

Figure S2. SdrEN2N3-CFH1206-1226 exists as a heterodimer in solution and in crystal.
(A) Gel filtration result of SdrEN2N3-CFH1206-1226. (B) Four copies of SdrEN2N3-CFH1206-1226 heterodimer in the asymmetric unit.

Figure S3. The 2Fo-Fc map of CFH peptide.
CFH peptide is shown in sticks and colored in yellow. The 2Fo-Fc electron density map is contoured 1σ and colored blue.

Figure S4. Structural comparisons between SdrE-CFH and other Sdr protein-ligands complex.
Structural alignment of SdrE-CFH (green plus orange) with (A) Bbp-Fibrinogen (cyan plus indigo, PDB code: 5CFA), SdrG-Fibrinogen (yellow plus salmon, PDB code: 1R17), (C) ClfB-Fibrinogen (gray plus blue, PDB code: 4F27) and (D) ClfA-Fibrinogen (purple plus red, PDB code: 2VR3).

Figure S5. Antiparallel main chain hydrogen bonds between SdrEN2N3 and CFH1206-1226.
Residues in SdrE (green) and CFH (yellow) are shown in stick mode. Hydrogen bonds are shown as black dashes.
A

SdrE_{N2N3} - CFH^{1206-1226}

B

Graph showing molecular weight (mDa) against elution volume (Ve, ml) with peaks at 43kDa, 75kDa, 158kDa, 40kDa, and 29kDa.

Diagram illustrating molecular interactions with labeled regions A, B, C, and D.