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Supporting information for article:

Crystal structure of the SPRY domain of human SPSB2 in the apo-state

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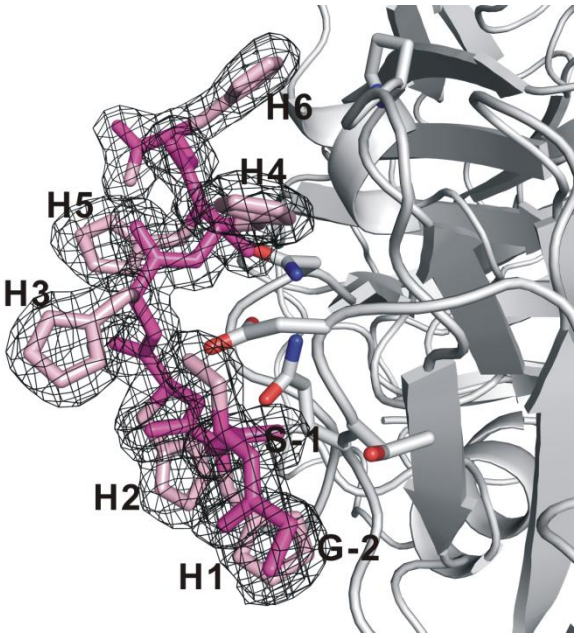

Figure S1. 2Fo-Fc electron density map for the C-terminal His_6-tag bound to crystallographically related SPSB2 molecule (coloured gray), contoured at 1.0 σ. Sidechains of SPSB2 residues forming hydrogen bonds with the C-terminal His_6-tag are shown.

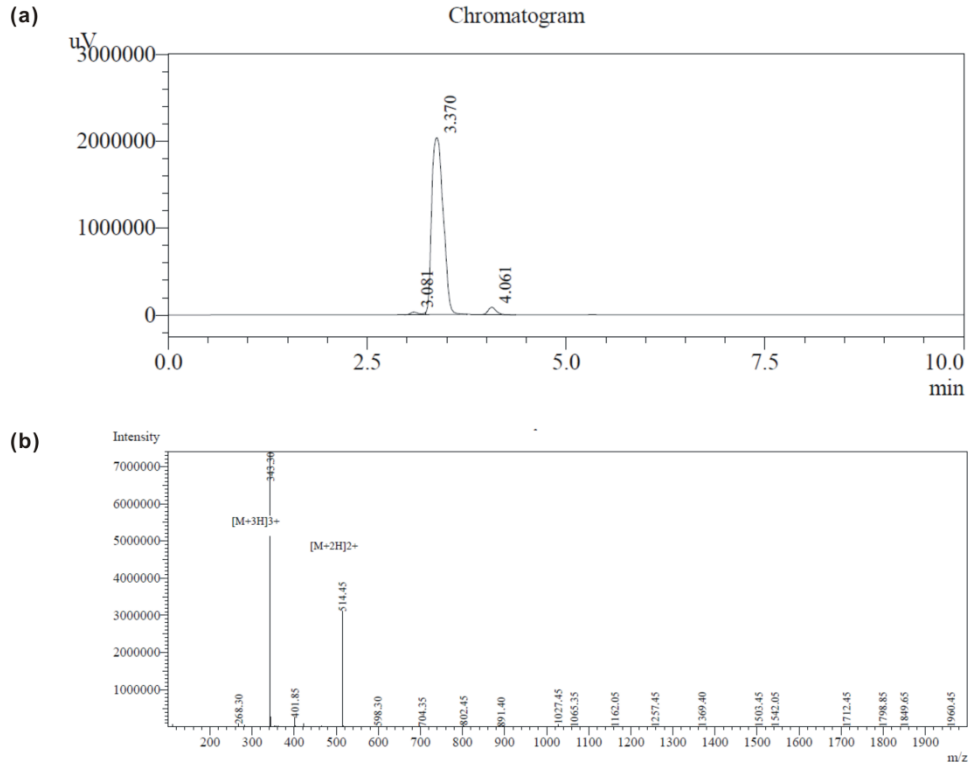

Figure S2. HPLC profile (a) and mass spectrometry record (b) of the synthetic peptide Ac-GSHHHHHH. The peptide was synthesized by Sangon Biotech (Shanghai, China). The purity of the peptide was ~95% and the observed mass (1026.90 Da) was consistent with its theoretical mass (1026.98 Da).

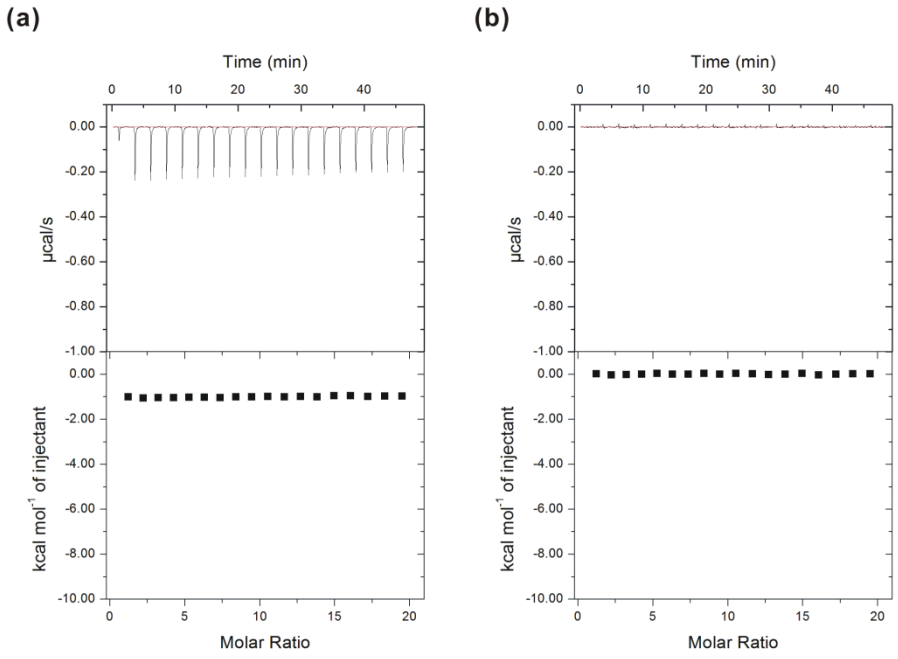

Figure S3. ITC raw thermogram data (upper panel) and binding isotherm (lower panel) for the interactions between SPSB2 SPRY domain and the synthetic peptide Ac-GSHHHHHH. ITC measurements were performed at 25 ℃ using iTC200 (Malvern). SPSB2 SPRY domain samples were prepared in (a) 50 mM Tris-HCl pH 7.5, 150 mM NaCl, 1 mM DTT, or (b) 100 mM Bis-Tris pH 5.5, 150 mM NaCl, 1 mM DTT. Peptide solutions were prepared in the same buffers. ITC measurements were carried out by titrating 1000 µM peptide solutions into 10 µM SPSB2 SPRY domain. Data analysis was performed using the Origin software package provided with the instrument.