Structure	Human ubiquitin like with PHD and ring finger domains 1, SRA domain, in complex with DNA
PDB Code	6VCS
Entry clone accession	
Entry clone source	
SGC clone accession	SDC125B05
Tag	C-terminal tag: ahhhhhh
Construct sequence	mPSNHYGPIPGIPVGTMWRFRVQVSESGVHRPHVAGIHGRSNDGAYSLVLAGGYEDDVDHGNFFTYTGSGGRDLSGNKRTAE QSCDQKLTNTNRALALNCFAPINDQEGAEAKDWRSGKPVRVVRNVKGGKNSKYAPAEGNRYDGIYKVVKYWPEKGKSGFLV WRYLLRRDDDEPGPWTKEGKDRIKKLGLTMQYPEGYLEALANahhhhhh
Vector	pNIC-CH
Expression host	BL21 (DE3) Codon plus RIL (Stratagene)
Growth method	The protein was expressed in E.coli BL21 (DE3) codon plus RIL in Terrific Broth (TB) in the presence of 50 µg/mL of kanamycin. Cell were grown at 37 ºC to an OD600 of 1.5 and induced by isopropyl-1-thio-D-galactopyranoside (IPTG), final concentration 0.2 mM, and incubated overnight at 16 ºC. Cell pellets collected by centrifugation and frozen at -80 ºC.
Extraction buffers	**Lysis buffer**: **20 mM Tris-HCl pH 7.5, 500 mM NaCl, 5% glycerol and 2 mM beta-mercaptoethanol**
Extraction procedure	Frozen cell pellet was thawed and suspended in lysis buffer. The cells were lysed by sonication (Virtis408912, Virsonic) on ice: the sonication protocol was 5 sec pulse at half-maximal frequency (5.0), 7 second rest, for 10 minutes total sonication time per pellet. The lysate was centrifuged at 15000rpm for 1h.
Purification buffers	**Wash buffer**: 20 mM Tris pH 7.5, 500 mM NaCl, **5% glycerol** and 25 mM imidazole; **Elution buffer**: 20 mM Tris pH 7.5, 500 mM NaCl, **5% glycerol** and 300 mM imidazole; **Gel filtration buffer**: 20 mM Tris-HCl pH 7.5, 150 mM NaCl and 1 mM DTT
Purification procedure	**Cells were lysed in 20 mM Tris-HCl pH 7.5, 500 mM NaCl, 5% glycerol and 2 mM beta-mercaptoethanol buffer and purified by Ni-NTA agarose chromatography. The protein was diluted and applied onto HiTrap SP chromatography column (GE Healthcare) equilibrated with 20 mM Tris-HCl pH 7.5, 25mM NaCl and 1mM DTT. The proteins were eluted with a linear gradient of 0-50% elution buffer (20 mM Tris-HCl pH 7.5, 1M NaCl and 1 mM DTT). The proteins were further purified by gel filtration Superdex 200 10/300 (GE Healthcare). The gel filtration buffer contains 20 mM Tris-HCl pH 7.5, 150 mM NaCl and 1 mM DTT.**

Protein stock concentration	**The purified protein was concentrated to 12 mg mL-1.**
Crystallization	To get the complex crystal, the protein was incubated with DNA at a molar ratio of 1:1.5 for 1 h on ice before setting up the crystallization trial. The crystals were obtained in 0.1M Sodium malonate pH 7.0, 12% PEG3350. The crystals were cryo-protected in the reservoir solution supplemented with 20% (*v/v*) glycerol and flash-frozen in liquid nitrogen.