

Supplementary information for Homogeneous Time-Resolved Fluorescence- Based Assay to Screen ADP-Ribosyl Hydrolase Inhibitors

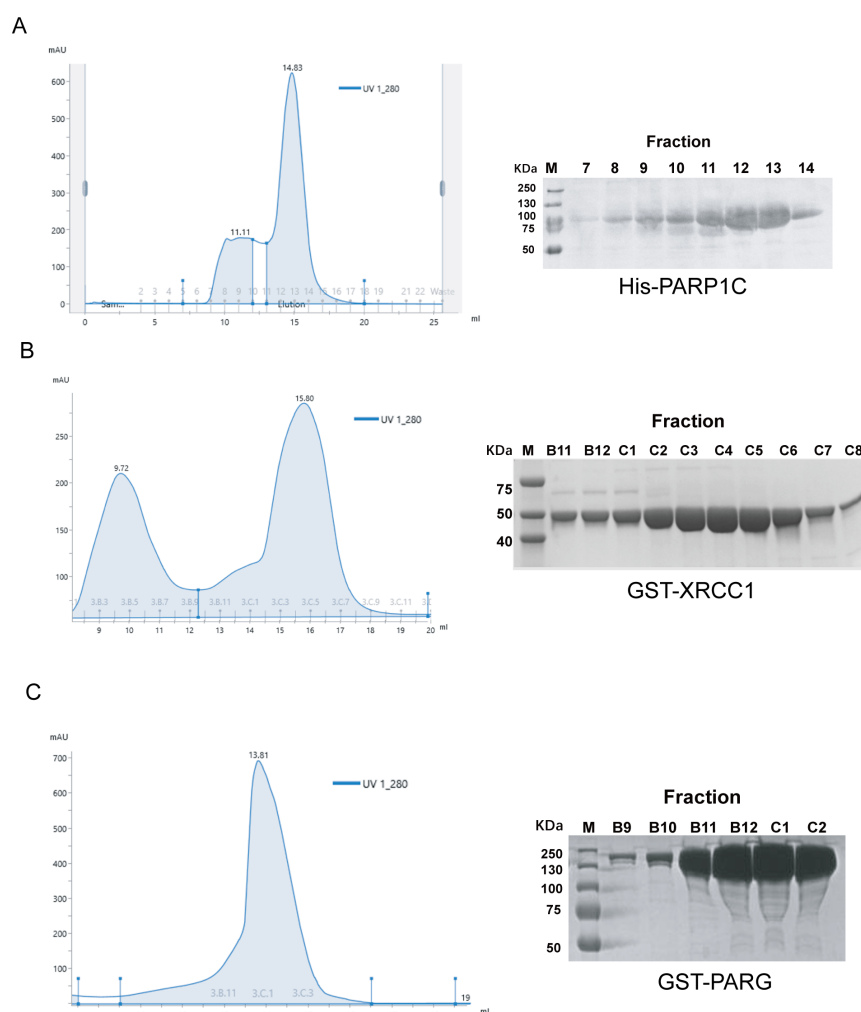
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Supplemental Figure S1. Recombinant protein purification. (A–C) Size exclusion column profiles are shown in the left panels; Coomassie blue staining of the collected fractions is shown in the right panels. For His-PARP1C, fractions 12 and

13 are pooled together for the HTRF assays (A). For GST-XRCC1, fractions C3, C4, and C5 are pooled together for the HTRF assays (B). For GST-PARG, fractions B12, C1, and C2 are pooled together for the HTRF assays (C).

Supplementary Table S1. Raw fluorescence emission values at 620 and 665 nm and calculated HTRF ratios at 10 compound concentrations

Fluorescence emission at 620 nm:

PDD 00017273 (nM)	Duplicate 1	Duplicate 2
1.00×10^4	1431	1536
3.33×10^3	1549	1394
1.11×10^3	1414	1515
3.70×10^2	1659	1591
1.23×10^2	1533	1599
41.2	1697	1574
13.7	1557	1647
4.57	1657	1622
1.52	1599	1742
0.507	1680	1561

Fluorescence emission at 665 nm:

PDD 00017273 (nM)	Duplicate 1	Duplicate 2
1.00×10^4	152.2	165.8
3.33×10^3	169.2	161.5
1.11×10^3	159.0	165.2
3.70×10^2	162.2	162.3
1.23×10^2	140.5	147.3
41.2	122.7	123.2
13.7	92.9	91.4
4.57	78.8	80.3
1.52	73.5	75.8
0.507	69.8	66.7

(emission665/emission620) $\times 10^6$:

PDD 00017273 (nM)	Duplicate 1	Duplicate 2
1.00×10^4	106359.19	107942.71
3.33×10^3	109231.76	115853.66
1.11×10^3	112446.96	109042.90
3.70×10^2	97769.74	102011.31
1.23×10^2	91650.36	92120.08
41.2	72304.07	78271.92
13.7	59666.02	55476.62
4.57	47555.82	49525.28
1.52	45941.21	43530.42
0.507	41553.57	42735.43

Control	Duplicate 1	Duplicate 2
Low control	43805.74	44196.01
High control	98060.61	100982.96