

Structural Dynamics of IRE1 and its Interaction with Unfolded Peptides

Supplementary File 2

Polypeptide	$K_{1/2}$ [μM]
MPZ1-N	16
MPZ1N-2X	0.456
MPZ1-C	572
MPZ1N-2X-RD	binding impaired
8ab1	5

Available binding affinities ($K_{1/2}$) of the unfolded polypeptides studied to hIRE1 α [1,2].

References

- [1] Elif Karagöz G, Acosta-Alvear D, Nguyen HT, Lee CP, Chu F, Walter P. An unfolded protein-induced conformational switch activates mammalian IRE1. eLife. 2017;6:e30700.
- [2] Kettel P, Marosits L, Spinetti E, Rechberger M, Giannini C, Radler P, et al. Disordered regions in the IRE1 ER lumenal domain mediate its stress-induced clustering. The EMBO Journal. 2024 Oct;43(20):4668-98.