



Fluorescence-based Thermal Shift Assay (TSA) [↗](#)

PLOS One

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[dx.doi.org/10.17504/protocols.io.vg2e3ye](https://doi.org/10.17504/protocols.io.vg2e3ye)

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EXTERNAL LINK

<https://doi.org/10.1371/journal.pone.0210123>

THIS PROTOCOL ACCOMPANIES THE FOLLOWING PUBLICATION

Varela PF, Velours C, Aumont-Niçaise M, Pineau B, Legrand P, Poquet I (2019) Biophysical and structural characterization of a zinc-responsive repressor of the MarR superfamily. PLoS ONE 14(2): e0210123. doi: [10.1371/journal.pone.0210123](https://doi.org/10.1371/journal.pone.0210123)

PROTOCOL STATUS

Working

MATERIALS TEXT

Thermal stability of fully purified ZitR_{MG} protein was calculated by induced thermal denaturation using a Q-PCR ABI Prism® 7900HT (CTPF platform, IMAGIF). We used Sypro Orange dye, which non-specifically binds to hydrophobic surfaces and can be measured at 488 nm. Purified ZitR_{MG} protein (2.5 mg) was analyzed under different conditions of buffer (Tris, phosphate, HEPES and MES), pH (ranging from 9.2 to 4), salt (NaCl up to 350 mM), and glycerol concentrations (up to 10 %) (data not shown).



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