

Protein tethering kit (ybbR)

Measure folding and conformational changes of your protein of interest. Also includes beads and DNA handles that specifically attach to your protein of interest with established ybbR tags.



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Protein Folding and
Conformational Changes
Protein tethering kit (ybbR)

This batch was produced on

& works best with 12 months

Materials supplied:

- **CoA-modified oligonucleotides:** 20 μ l, 2 vials. Oligonucleotides for protein labeling using the enzymatic reaction of Sfp synthetase.



Store all
materials
at - 80°

- **Biotinylated and digoxigenin-labeled DNA handles (529 bp):** 4 μ l, 10 vials. Handles mix (50/50) with an overhang complementing the CoA-modified oligonucleotides.

- **Sfp enzyme:** 5 μ l, 2 vials.

- **10x Sfp reaction buffer:** 50 μ l | 10x.

- **TCEP (100 mM):** 5 μ l, 2 vials | 100 mM. Reducing agent.

- **6xHis AdK control protein (cysteine):** 15 μ l | 1.25 μ g/ μ l (50 μ M). Adenylate kinase protein with two fused ybbR peptides that can be used as a quality control.

- **Streptavidin-coated silica beads (\approx 1.0–1.4 μ m):** 25 μ l | 1% (w/v). Beads in PBS with 3 mM sodium azide, with a specific diameter



Store all
materials
at +4°C

- **Anti-digoxigenin-coated polystyrene beads (\approx 0.7–0.9 μ m):** 60 μ l | 0.1% (w/v). Beads in PBS with 3 mM sodium azide, with a specific diameter

μ m