

Customized protein design, purification, and tethering (ybbR)

Measure folding and conformational changes on your customized 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
**Customized protein design,
purification and tethering
(ybbR)**

This batch was produced on



& works best within 6 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.

- **Customized protein:** 15 μ l – 1.25 μ g/ μ l (50 μ M)

- **Streptavidin-coated silica beads (\varnothing 1.0–1.4 μ m):** 25 μ l | 1% (w/v). Beads in PBS with 3 mM sodium azide, with a specific diameter (e.g., 1.2 μ m) within the given range.

 Store all materials at **+4°C**

- **Anti-digoxigenin-coated polystyrene beads (\varnothing 0.7–0.9 μ m):** 60 μ l | 0.1%. Beads in PBS with 3 mM sodium azide, with a specific diameter (e.g., 0.8 μ m) within the given range.