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Analyzing SARS-CoV-2 Spike Protein Expression in E. coli

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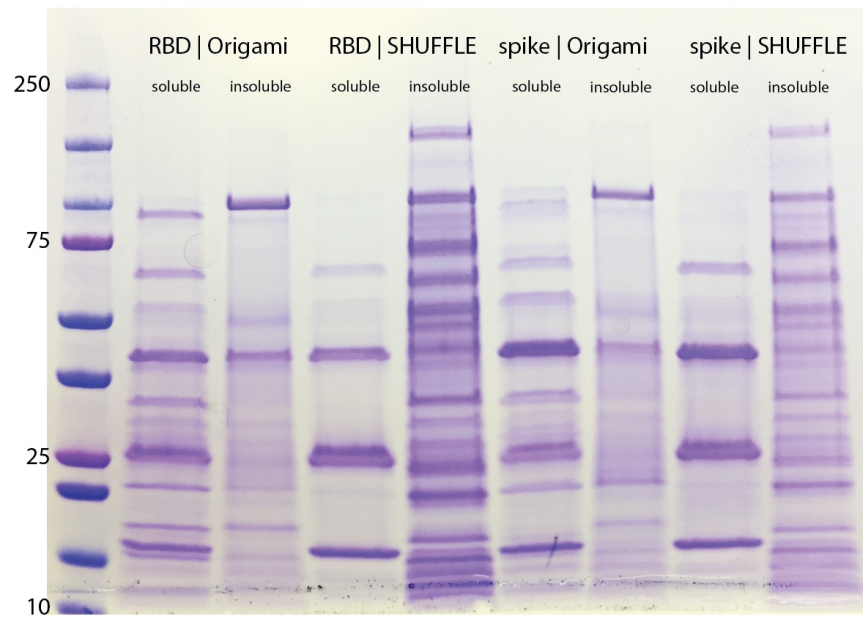
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- 1 Discuss preparation and expression of spike-SUMO fusion protein in E. coli.

[Expressing SARS-CoV-2 Spike, RBD and SUMO Proteins in E. coli · Benchling.pdf](#)

- 2 Use Benchling to calculate sizes of spike-SUMO and RBD-SUMO.

- 3 Are the proteins from Step 2 seen on Coomassie stain of SDS-PAGE?



Coomassie stain of SDS-PAGE containing soluble, insoluble samples of spike-SUMO and RBD-SUMO from two *E. coli* cell lines.