

Correction Notice: Expression and Purification of Recombinant Human Mitochondrial RNA Polymerase (POLRMT) and the Initiation Factors TFAM and TFB2M

An H. Hsieh^{1, §}, Sean D. Reardon¹, Jubilee H. Munozvilla-Cabellon¹, Jiayu Shen², Smita S. Patel², and Tatiana V. Mishanina¹

¹Department of Chemistry and Biochemistry, University of California San Diego, La Jolla, CA, USA

²Department of Biochemistry and Molecular Biology, Rutgers University, Robert Wood Johnson Medical School, Piscataway, NJ, USA

[§]Technical contact

*For correspondence: tmishanina@ucsd.edu

After official publication in Bio-protocol (<https://bio-protocol.org/en/bpdetail?id=4892&type=0>), we found errors that should be corrected:

- In the Recipes section under **Part I: POLRMT purification buffers**, the note under the 5% PEI solution should say “Adjust pH to 7.9...” instead of “7.0” to match the pH of all the other buffers.
- In the Procedure section for Part I: POLRMT Purification, under part **D. POLRMT AS precipitation**, there is a math error that should be corrected to “_____ mL lysate × 0.351 g/mL...” instead of “3.51 g/mL”.
- In step 11 of part **E. POLRMT DEAE gravity column**, The concentration speed should say “Concentrate POLRMT by centrifuging the Amicon filtration units at 1,300× g” instead of “1,900× g”. Having a lower speed will prevent protein precipitation issues and keep the centrifugation speed consistent with the later steps.
- In section **Part III: TFB2M purification**, under **G. TFB2M concentration**, step 3 says “Start centrifuging the TFB2M sample at 2,500× g and gradually decrease the speed to 1,300× g if precipitate starts forming.” We have seen, however, that simply starting at a low speed of 1,300× g is better to prevent precipitation. The sentence should be changed to “Start centrifuging the TFB2M sample at 1,300× g.”

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