



Cat.# AVB100 – E. coli K12 Strain AVB100 for efficient *in vivo* biotinylation

About the Strain AVB100

Supplied as a 0.5 ml liquid culture in 30% glycerol. Store at -80°C.

AVB100 is an E. coli K12 strain [MC1061 araD139 Δ (ara-leu)7696 Δ (lac)I74 galU galK hsdR2(r_{k^-} m_{k^+}) mcrB1 rpsL(Str^r)] with a birA gene stably integrated into the chromosome.

The stably integrated birA gene does not require antibiotics to be maintained, and use of AVB100 with IPTG inducible vectors (e.g., pAC or pAN, AviTag vectors) allows independent control over the expressed gene of interest and the BirA levels. BirA levels can be increased either prior to induction of the vector-expressed protein or post induction by the addition of 0.2 – 0.4% L-arabinose. Culture media should be brought to 50 μ M with d-biotin prior to induction of BirA with L-arabinose.

Important:

Use of this strain is limited to site of purchase. Please review the license included before using this product. If you have any questions, please don't hesitate to call Avidity.

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IMPORTANT! – READ CAREFULLY BEFORE USING Limited-Site License for Strain AVB100

By purchasing strain AVB100 or derivatives, I agree that use of this strain is limited to the single site of purchase and further agree not to sell, assign or transfer this product to any third party without the express written consent of Avidity, L.L.C.

If you do not agree with the terms of this agreement, promptly return the unused strain to Avidity, L.L.C. for a refund.