

# PURExpress® $\Delta$ RF123 Kit



1-800-632-7799  
info@neb.com  
www.neb.com



E6850S 009150217021

## E6850S

**10 reactions**    **Lot: 0091502**    **Exp: 2/17**  
**Store at -80°C**

### Kit Components:

Solution A	100 $\mu$ l
Solution B (minus RF1, RF2, RF3)	75 $\mu$ l
RF1	10 $\mu$ l
RF2	10 $\mu$ l
RF3	10 $\mu$ l
DHFR Control Template	10 $\mu$ l (125 ng/ $\mu$ l)

Each kit contains sufficient reagents for 10 x 25  $\mu$ l reactions.

The three release factors are supplied separately, allowing users to perform a protein synthesis reaction/ribosome display experiment with/without release factors of their choice.

### Protocol

#### Standard Reaction for PURExpress $\Delta$ RF123 Kit:

Assemble the reaction in a new tube in the following order:

Solution A	10 $\mu$ l
Solution B (minus RF123)	7.5 $\mu$ l
RF1 (if necessary)	0.5 $\mu$ l
RF2 (if necessary)	0.5 $\mu$ l
RF3 (if necessary)	0.5 $\mu$ l
Supplements (RNase Inhibitor, <sup>35</sup> S-met, etc.)	x $\mu$ l
Nuclease-free H <sub>2</sub> O	x $\mu$ l
Template DNA	x $\mu$ l
<b>Total</b>	<b>25 <math>\mu</math>l</b>

Incubate at 37°C for at least 2 hours. Additional incubation time (maximum 4 hours) at 37°C may increase yield.

### Usage Notes:

For a positive control reaction, use 2  $\mu$ l of the supplied DHFR control template and 0.5  $\mu$ l each of the supplied release factors.

For detailed usage information please refer to the product manual which is also available online at: <http://www.neb.com/nebecomm/ManualFiles/manualE6800.pdf>

Additional product information including FAQ's can be found on website. <http://www.neb.com/nebecomm/products/productE6850.asp>

**Note:** Release factors have not been added to solution B. You may still observe translational termination at a reduced level depending on your application and protein template design.

### Companion Products Sold Separately:

PURExpress <i>In Vitro</i> Protein Synthesis Kit #E6800S	10 reactions
#E6800L	100 reactions
PURExpress $\Delta$ Ribosome Kit #E3313S	10 reactions
PURExpress $\Delta$ (aa, tRNA) Kit #E6840S	10 reactions
PURExpress Disulfide Bond Enhancer #E6820S	50 reactions
<i>E. coli</i> Ribosome #P0763S	1 mg



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PURExpress® is based on the PURE System Technology originally developed by Dr. Takuya Ueda at the University of Tokyo and commercialized as the PURESYSYSTEM® by BioComber (Tokyo, Japan).

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CERTIFICATE OF ANALYSIS

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