

PURExpress® Δ Ribosome Kit



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



E3313S 014150117011

E3313S

10 reactions Lot: 0141501 Exp: 1/17

Store at -80°C

Kit Components:

Solution A	100 μl
Factor Mix	30 μl
Control Ribosomes*	10 μl (13.3 μM)
DHFR Control Template	10 μl (125 ng/ μl)

Each kit contains sufficient reagents for 10 x 25 μl reactions.

* The supplied control ribosomes are enough for two reactions.

The only difference between NEB #E3313 and the original PURExpress *In Vitro* Protein Synthesis Kit (NEB #E6800) is that the ribosomes are added to the reaction separately.

Protocol

Standard Reaction for PURExpress Δ Ribosome Kit:

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

Solution A	10 μl
Factor Mix	3 μl
Ribosomes (13.3 μM)	4.5 μl
Supplements (RNase Inhibitor, ^{35}S -met, etc.)	x μl
Nuclease-free H_2O	x μl
Template DNA	x μl
	25 μl total

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

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

Usage Notes:

The DHFR control template is supplied at 125 ng/ μl . Use 2 μl for the positive control reaction. We use 60 pmoles of ribosomes in a standard 25 μl reaction. The supplied control ribosomes are enough for two reactions. If your ribosome concentration is more than 13.3 μM , we suggest you make up the ribosome volume to 4.5 μl with 10 mM magnesium acetate. Note: Using a smaller amount of ribosomes is possible but the protein yield may be lower.

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 protocol changes and FAQ's can be found on our website. <http://www.neb.com/nebecomm/products/productE6800.asp>

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Companion Products Sold Separately:

PURExpress <i>In Vitro</i> Protein Synthesis Kit #E6800S	10 reactions
#E6800L	100 reactions
PURExpress Δ (aa, tRNA) Kit #E6840S	10 reactions
PURExpress Δ RF123 Kit #E6850S	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

Companion Products Sold Separately:

PURExpress <i>In Vitro</i> Protein Synthesis Kit #E6800S	10 reactions
#E6800L	100 reactions
PURExpress Δ (aa, tRNA) Kit #E6840S	10 reactions
PURExpress Δ RF123 Kit #E6850S	10 reactions
PURExpress Disulfide Bond Enhancer #E6820S	50 reactions
<i>E. coli</i> Ribosome #P0763S	1 mg



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