PURExpress® Δ (aa, tRNA) Kit

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

E6840S 005120614061

E6840S

10 reactions **Lot: 0051206** **Exp: 6/14**

Store at –80°C

Kit Components:

Solution A (minus aa and tRNA)	50 µl
Solution B	75 µl
Amino Acid Mixture	25 µl (3 mM each)
E. coli tRNA	25 µl (20 µg/µl)
DHFR Control Template	10 µl (125 ng/µl)

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

The amino acids and tRNA are supplied separately, allowing users to perform a protein synthesis reaction by adding modified amino acids and tRNA mixture to the reaction.

Protocol

Standard Reaction for PURExpress Δ (aa, tRNA) Kit:

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

Solution A (minus aa, tRNA)	5 µl
aa Mixture	2.5 µl
tRNA	2.5 µl
Solution B	7.5 µl
Supplements (RNase Inhibitor, ^{35}S-met, etc.)	x µl
Nuclease-free H_2O	x µl
Template DNA	x µl
Total	25 µl

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 µl of the supplied DHFR control template and 2.5 µl each of the supplied aa and tRNA.

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/productE6840.asp

Companion Products Sold Separately:

PURExpress® *In Vitro* Protein Synthesis Kit
#E6800S 10 reactions

PURExpress® Δ Ribosome Kit
#E3313S 10 reactions

PURExpress® Δ RF123 Kit
#E6850S 10 reactions

PURExpress® Disulfide Bond Enhancer
#E6820S 50 reactions

E. coli Ribosome
#P0763S 1 mg

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

CERTIFICATE OF ANALYSIS

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CERTIFICATE OF ANALYSIS