

CIL

Cambridge Isotope Laboratories, Inc.
www.isotope.com

RESEARCH PRODUCTS

Take Control of Your Protein Expression

QIAGEN's EasyXpress® NMR Uniform Labeling Kits

CIL and QIAGEN are exclusively distributing QIAGEN's EasyXpress® NMR Protein Synthesis Kits for bench-top cell-free production of stable isotope labeled proteins.

Experience the power and ease in producing milligram amounts of uniform labeled protein using QIAGEN's EasyXpress® NMR Protein Synthesis Kits.

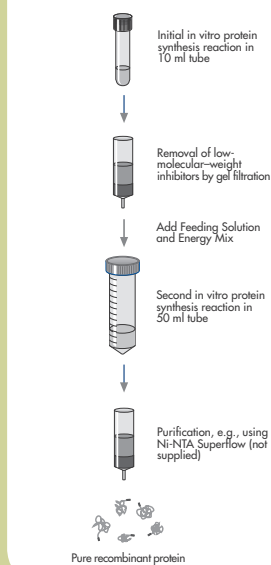
QIAGEN's EasyXpress® NMR (U-¹⁵N), (U-¹⁵N, U-¹³C), and (U-¹⁵N, U-¹³C, U-D) Kits allow the cell-free expression of uniform stable isotope labeled proteins with the indicated single, double or triple label. In contrast to *in vivo* protein expression, cell-free expression allows for the

- Production of toxic proteins
- Easy addition of exogenous compounds (e.g., detergents)
- Consistent or enhanced yields of triple labeled protein

These advantages allow for the application of labeling methods in a more efficient and economical manner than for *in vivo* expression.

QIAGEN's EasyXpress® NMR Protein Synthesis Kits contains all equipment and reagents required to make uniform labeled protein in either 2 x 5 ml or 10 x 1 ml reactions. The kit makes use of an *E. coli* extract that contains the molecular machinery required for efficient protein synthesis. EasyXpress® kits can be used to express proteins from a variety of DNA templates, as long as they contain a T7 or other strong *E. coli* promoter (e.g., T5) upstream from the coding sequence, and a ribosome binding site.

EasyXpress Large-Scale Procedure



Each kit contains:

- E. coli* extract
- Reaction buffer without amino acids
- Feeding solution
- Energy mix
- RNase-free water
- Equilibration/elution buffer
- Gel filtration column
- Reaction flasks
- Handbook
- CIL labeled amino acid mix

Catalog No.	Description	Price (USD)
QIA-32531-N	EasyXpress® NMR Kit (U- ¹⁵ N, 97-99%)	\$2,241
QIA-32532-CN	EasyXpress® NMR Kit (U- ¹³ C, 97-99%; U- ¹⁵ N, 97-99%)	\$2,274
QIA-32535-CDN	EasyXpress® NMR Kit (U- ¹³ C, 97-99%; U-D, 97-99%; U- ¹⁵ N, 97-99%)	\$2,375