

# WEPRO® 8240 Expression Kits

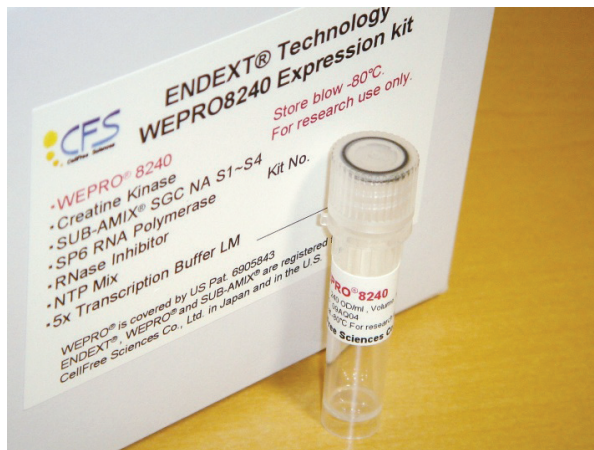
Wheat Germ Extract for Incorporation of  $^{15}\text{N}$  and  $^{13}\text{C}$

## Dedicated for Protein NMR Analysis

*Fast, wheat germ, cell-free protein-expression system.*

*Ready-to-use reaction buffers with  $^{15}\text{N}$ - and/or  $^{13}\text{C}$ -labeled amino acids.*

*Very high incorporation rates for the preparation of labeled proteins.*



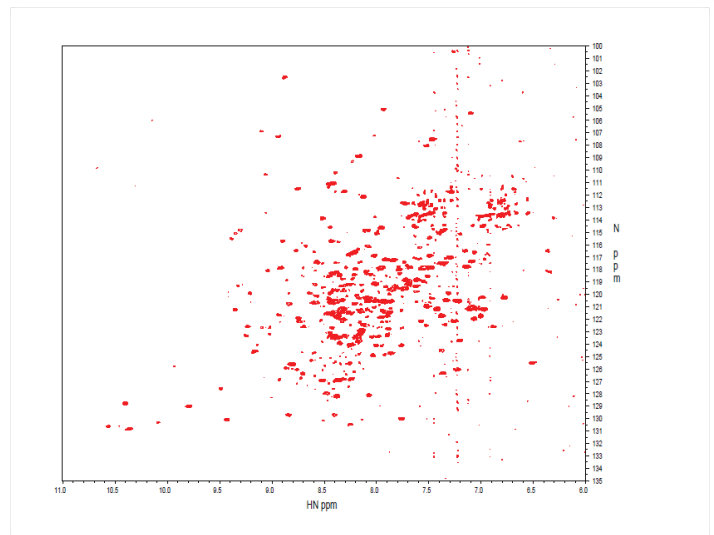
- WEPRO8240 has the highest success rate for the expression of soluble proteins
- Used for uniform or selective amino acid-type labeling
- Cell-free protein expression assures higher incorporation rates than possible by *in vivo* labeling using feeding system
- Use of highly purified, labeled amino acids provided by Cambridge Isotope Laboratories, Inc.
- Kits can be used on Protomist® DTII and DTII-S

## CellFree Sciences Offers Production of Customized Reagent Kits

Please inquire on customized buffers containing labeled amino acids of your choice.

Please inquire on customized WEPRO8240H or WEPRO8240G labeling kits for the preparation of His-tagged proteins and the use of GST-fusion proteins. We have optimized reagents for affinity protein purification.

*CellFree Sciences also offers protein-expression services for NMR studies.*



**Example of HSQC spectrum of a protein synthesized by this kit.** Human E3 protein (M.W. 45,000 was synthesized with WEPRO2240( $^{15}\text{N}$ ) Expression Kit and was analyzed by HSQC (TROSY). (Sample concentration: 0.1 mM, INOVA 800 MHz Varian Inc.) This data is provided by Dr. Inagaki, Hokkaido University, Japan.



These products and components of the products are intended for research use only. The vector contained in the products is licensed for concurrent use with the product. A license from CellFree Sciences Co., Ltd. is required for use other than research purposes. Product specifications listed on the reverse are subject to change without any prior notice.

*(please see other side)*

## Ordering Information

Catalog No.	Description	Storage	Amount
CFS-TRI-8240S15N13C	WEPRO8240 ( <sup>15</sup> N, <sup>13</sup> C) Expression Kit	-80°C/-20°C	1 set

Kit contains enough reagents for one full run of Protemist® DTII or DTII-S or for manual synthesis in 6 x 6 mL reactions, 24 x 1.2 mL reactions or 96 x .0226 mL reactions in 96-well plate format.

Kit contains:

- WEPRO8240 (240 OD, 1 mL x 2), store at -80°C
- SUB-AMIX SGC (<sup>15</sup>N, <sup>13</sup>C) (S1~S4, 1.1 mL x 4)
- SP6 RNA Polymerase (80,000 unit/mL, 30 µL)
- RNase Inhibitor (80,000 unit/mL, 30 µL)
- 5x Transcription Buffer (400 µl)
- NTP Mix (25 mM, 200 µL)
- Creatine Kinase (20 µL) (single use only)
- pEU-E01-MCS Vector
- pEU-E01-DHFR Vector (positive control)

Shelf life: 1 year

CFS-TRI-8240S15N	WEPRO8240 ( <sup>15</sup> N) Expression Kit	-80°C/-20°C	1 set
------------------	---------------------------------------------	-------------	-------

Kit contains enough reagents for one full run of Protemist® DTII or DTII-S or for manual synthesis in 6 x 6 mL reactions, 24 x 1.2 mL reactions or 96 x .0226 mL reactions in 96-well plate format.

Kit contains:

- WEPRO8240 (240 OD, 1 mL x 2), store at -80°C
- SUB-AMIX SGC (<sup>15</sup>N) (S1~S4, 1.1 mL x 4)
- SP6 RNA Polymerase (80,000 unit/mL, 30 µL)
- RNase Inhibitor (80,000 unit/mL, 30 µL)
- 5x Transcription Buffer (400 µL)
- NTP Mix (25 mM, 200 µL)
- Creatine Kinase (20 µL) (single use only)
- pEU-E01-MCS Vector
- pEU-E01-DHFR Vector (positive control)

Shelf life: 1 year

CFS-TRI-8240	WEPRO8240 Expression Kit	-80°C/-20°C	1 set
--------------	--------------------------	-------------	-------

Kit contains enough reagents for one full run of Protemist® DTII or DTII-S or for manual synthesis in 6 x 6 mL reactions, 24 x 1.2 mL reactions or 96 x .0226 mL reactions in 96-well plate format. User supplements SUB-AMIX SGC NA (included in kit) with the user's desired choice of labeled or unlabeled amino acids (sold separately).

Kit contains:

- WEPRO8240 (240 OD, 1 mL x 2), store at -80°C
- SUB-AMIX SGC NA (S1~S4, 1.1 mL x 4)
- SP6 RNA Polymerase (80,000 unit/mL, 30 µL)
- RNase Inhibitor (80,000 unit/mL, 30 µL)
- 5x Transcription Buffer (400 µL)
- NTP Mix (25 mM, 200 µL)
- Creatine Kinase (20 µL) (single use only)
- pEU-E01-MCS Vector
- pEU-E01-DHFR Vector (positive control)

Shelf life: 1 year

WEPRO® and Protemist® are registered trademarks of CellFree Sciences Co., Ltd.



### CellFree Sciences Co., Ltd.

75-1, Ono-cho, Leading Venture Plaza 201  
Tsurumi-ku, Yokohama, Kanagawa 230-0046 JAPAN  
Phone: +81-(0)45-500-2119 • FAX: +81-(0)45-500-2117  
Web: <http://cfsciences.com>



CFS protein-expression reagents and kits are distributed in North America by Cambridge Isotope Laboratories, Inc. (CIL) and in Europe by Euriso-Top, SAS.

To contact CIL, please send an email to your local sales representative or [cilsales@isotope.com](mailto:cilsales@isotope.com).



To contact Euriso-Top, please send an email to [sales@eurisotop.com](mailto:sales@eurisotop.com).