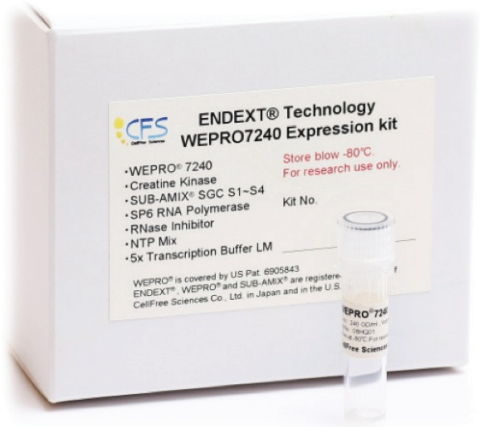


WEPRO® 7240 Expression Kits

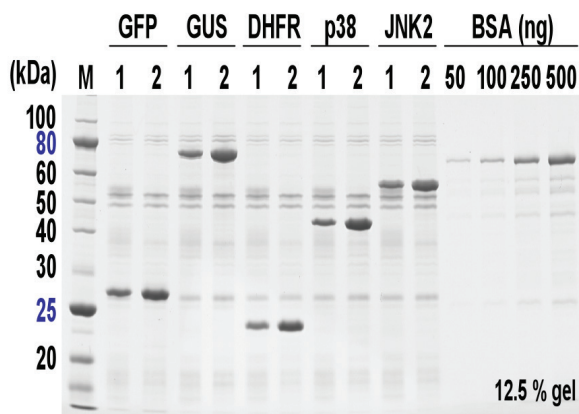
High-Performance Wheat Germ Extract and Buffer System

New Generation Cell-Free Protein Expression

*Optimized in vitro transcription and translation conditions.
Twofold increased protein yields as compared to standard wheat-germ extracts.
Produce more protein at a lower cost!*



- New buffer systems for higher protein yields: SUB-AMIX SGC and SUB-AMIX-SG (filter-feed)
- WEPRO7240 Expression Kit for use on Protomist® DTII/DTII-S or to perform 96 screening reactions (226 µl reactions)
- WEPRO7240, new reaction buffers and SP6 transcription reagents can be purchased as bulk reagents
- WEPRO7240 is the best choice for protein production on Protomist®XE



All proteins prepared and purified by using Protomist DTII in combination with WEPRO1240 and WEPRO7240.

Figure 1. Protein analysis by SDS-PAGE GFP, GUS, p38, JNK2, DHFR and BSA standard.

1: SUB-AMIX and WEPRO1240
2: SUB-AMIX SGC and WEPRO7240
M = Molecular weight marker

Comparison of synthesis yields for WEPRO1240 and WEPRO7240.

Table 1. Amount of synthesized protein per well on Protomist DTII.

	WEPRO1240 + SUB-AMIX	WEPRO7240 + SUB-AMIX SGC
GFP	441 µg	849 µg 193%
GUS	363 µg	869 µg 239%
DHFR	260 µg	626 µg 241%
p38	344 µg	886 µg 258%
JNK2	417 µg	728 µg 175%

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(please see other side)

Ordering Information

Catalog No.	Description	Storage	Amount
CFS-TRI-7240	WEPRO7240 Expression Kit	-80°C/-20°C	1 set

Kit contains enough reagents for one full run of Proteomist 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:

- WEPRO7240 (240 OD, 1 mL x 2), store at -80°C
 - SUB-AMIX SGC (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)
- } Store at -20°C

Shelf life: 1 year

CFS-TRI-7240G	WEPRO7240G Expression Kit	-80°C/-20°C	1 set
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Kit contains enough reagents for one full run of Proteomist 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:

- WEPRO7240G (240 OD, 1 mL x 2), store at -80°C
 - SUB-AMIX SGC (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)
- } Store at -20°C

Shelf life: 1 year

CFS-TRI-7240H	WEPRO7240H Expression Kit	-80°C/-20°C	1 set
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Kit contains enough reagents for one full run of Proteomist 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:

- WEPRO7240H (240 OD, 1 mL x 2), store at -80°C
 - SUB-AMIX SGC (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)
- } Store at -20°C

Shelf life: 1 year

CFS-WGE-7240	WEPRO7240 wheat germ extract	-80°C	1 mL
CFS-WGE-7240G	WEPRO7240G wheat germ extract	-80°C	1 mL
CFS-WGE-7240H	WEPRO7240H wheat germ extract	-80°C	1 mL
SUB-AMIX-SGC	SUB-AMIX Buffer (Bilayer reactions)	-20°C	4x 12.5 mL
SUB-AMIX-SG	SUB-AMIX Buffer (filter-feed reactions)	-20°C	4x 12.5 mL
CFS-TSC-5TB-LM	5xTranscription Buffer LM for WEPRO7240 and 8240	-20°C	1 mL



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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.



To contact Euriso-Top, please send an email to sales@eurisotop.com.