

Certificate of analysis

Product Name/Description: Human Cell-Free Protein Expression System
Cat. #: 3281
Lot #: Specified on product label
Storage Conditions: -80 degrees C
Expiration Date: Specified on product label or package

Package Size: 10 Rxns

Package Contents:	1. Cell Lysate		100 µl
	2. Mixture-1		60 µl
	3. Mixture-2		10 µl
	4. Mixture-3		20 µl
	5. T7 RNA Polymerase	200 U/µl	10 µl
	6. pT7-IRES Vector	0.5 µg/µl	20 µl
	7. Control Vector	0.3 µg/µl	5 µl

Quality Control Data:

1) A protein (170 kDa) was able to be synthesized by using this system, which was confirmed by 6.0% SDS-PAGE.

2) β-Galactosidase was synthesized by using this system with Control Vector, which was confirmed by the production of a blue pigment by treating 5-Bromo-4-chloro-3-indolyl-β-D-galactopyranoside (X-gal) with the in vitro translation reactant.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department of Takara Bio Inc.

Notice To Purchaser:

Please refer to the website.

Product Documents, Patent Markings, Trademarks, & Safety Information:

Refer to website for availability to download or contact your local office:
www.takara-bio.co.jp (Japanese)
www.takarabio.com (English)

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