

Certificate of analysis

Product Name/Description: B. subtilis Secretory Protein Expression System
Cat. #: 3380
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. SP DNA mixture	0.032 pmol/μl	45 μl	
	2. pBE-S DNA	0.5 μg/μl	20 μg	
	3. B. subtilis RIK1285		100 μl	x 2

Quality Control Data:

SP DNA mixture check:

- 1) The concentration of the 10 fold concentrate of SP DNA mixture was confirmed by its absorbance at 260 nm.
- 2) The 10 fold concentrate of SP DNA mixture showed the expected pattern by agarose gel electrophoresis.

pBE-S DNA check:

- 1) The concentration of pBE-S DNA was determined as 0.5 μg/μl by its absorbance at 260 nm.
- 2) The expected patterns of pBE-S DNA and its each digest with Spe I and ApaL I were shown by agarose gel electrophoresis.
- 3) The DNA sequence of the promoter, ribosomal binding site, signal peptide, multi-cloning site, His tag and Stop codon of pBE-S DNA was confirmed by dideoxy sequencing.

Bacillus subtilis RIK1285 glycerol stock check:

- 1) B. subtilis RIK1285 did not grow on any of each LB-agar plate containing ampicillin (100 μg/ml), kanamycin (10 μg/ml), tetracycline (15 μg/ml), or chloramphenicol (30 μg/ml).
- 2) B. subtilis RIK1285 did not grow on Spizizen agar plate (Trp-/Lys-), (Trp+/Lys-) or (Trp-/Lys+), but grew on Spizizen agar plate (Trp+/Lys+).

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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