![BioPalette]

Research has been published by Kobe University on base editing technology

Kobe City, Japan -August 10, 2022-

Bio Palette Co., Ltd (Head Office: Chuo-ku, Kobe City, Representative Director: Dr. Shoko Murase) has been granted a license by Kobe University regarding multiple patents and patent applications for base editing technology, and we are working toward commercializing them as a core technology. New research results related to base editing technology have been published by Kobe University.

These results are from research led by company Directors Keiji Nishida (Professor, Engineering Biology Research Center at Kobe University) and Akihiko Kondo (Vice President, Kobe University; Professor, Kobe University Graduate School of Science, Technology and Innovation). Enzymes used in Target-AID®, a base editing technology, were improved to achieve minimization and high precision base conversions with reduced off-target effects. These results were published in *Nature Communications* (online journal) on August 8, 2022. Dr. Hitoshi Mitsunobu, a researcher from the company, is included as an author because he was involved in the research while at Kobe University. For details, refer to the following research news from Kobe University.

Achievement of maximum-precision, minimum-size base editing technology
https://www.kobe-u.ac.jp/research_at_kobe/NEWS/news/2022_08_08_01.html

We are using the technological advantages of base editing technology, including the aforementioned technology, for early commercialization, and we will continue to improve the technological foundations through cooperation with Kobe University.

<Information on publication>
  Title: Cytosine base editing systems with minimized off-target effect and molecular size
  Authors: Ang Li, Hitoshi Mitsunobu, Shin Yoshioka, Takahisa Suzuki, Akihiko Kondo and Keiji Nishida
  Journal: *Nature Communications*
  DOI: 10.1038/s41467-022-32157-8

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