



Target Discovery Starts with Certainty

Validate Drug Targets with Speed and Confidence
with Synthego's Engineered Cell Libraries

synthego.com/cshl-cell-libraries



Lyophilized Cas Nuclease

Saving the expensive delivery cost by innovative technology

Cas nucleases play an important role in CRISPR gene editing. However, Cas nucleases are easy to denature, therefore conventional Cas nucleases usually require dry ice transportation, which imposes excessively high costs.

Fortunately, with our innovative lyophilization technology, we are now offering **Lyophilized Cas Nuclease**, which can be transported at room temperature, saving the high cost of dry ice transportation.

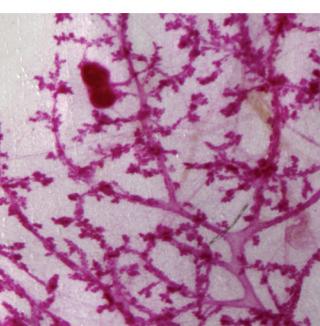
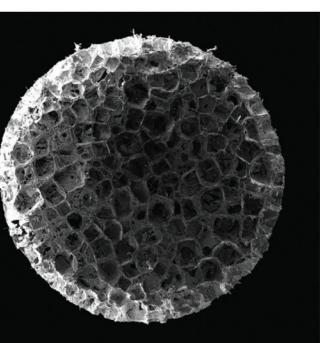
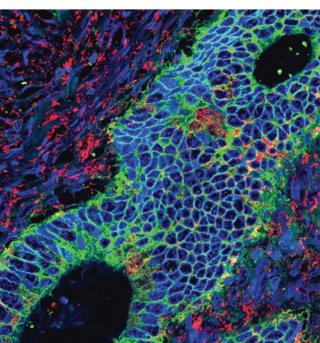
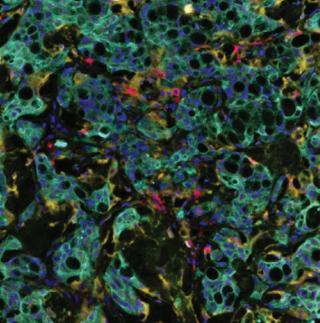
Cas13a Nuclease (Lyophilized)

Cas13 is a class II and type VI CRISPR system effector protein with two higher eukaryotes and prokaryotes nucleotide-binding (HEPN) binding domains. It is a novel CRISPR protease that can be used for targeted RNA cleavage. While Cas13 recognizes and cleaves target RNA under the guidance of guide RNA, its collateral cleavage activity is activated, which can efficiently cleave non-specific single-stranded RNA (ssRNA). The lyophilized version of Cas13a can be transported at room temperature, saving the high cost of dry ice transportation.

Cas12a Nuclease (Lyophilized)

Cas12a (Cpf1) belongs to class II and type VI CRISPR system effector proteins, and is an endonuclease that binds to and cleavages specific sites of target DNA under the guidance of single-stranded guide RNA. It has been widely used in gene editing of microorganisms, plants, and animals, and has a great practical application value in molecular diagnosis. The lyophilized version of Cas12a can be transported at room temperature, saving the high cost of dry ice transportation.

In addition, we are also offering 10+ traditional Cas Nucleases, including Cas9, dCas9, spCas9, SpRYCas9, Cas14a1, Cas12b, etc.



AACR American Association
for Cancer Research®

2022 SCIENTIFIC CONFERENCES

Presenting the most significant research on cancer etiology,
prevention, diagnosis, and treatment

**Sixth CRI-ENCI-AACR International
Cancer Immunotherapy Conference:
Translating Science into Survival**

September 28-October 1, 2022 | New York, NY

Conference Cochairs: Özlem Türeci,
E. John Wherry, and Jedd D. Wolchok

Colorectal Cancer

October 1-4, 2022 | Portland, OR

Conference Cochairs: Jiyoung Ahn,
Robert J. Coffey, and Scott Kopetz

Cancer Epigenomics

October 6-8, 2022 | Washington, D.C.

Conference Cochairs: Scott A. Armstrong,
Howard Y. Chang, Arul M. Chinnaiyan,
and Margaret A. Goodell

Tumor Immunology and Immunotherapy

October 21-24, 2022 | Boston, MA

Conference Cochairs: Thomas F. Gajewski,
Jennifer A. Wargo, and Jedd D. Wolchok

**Innovation and Biomarkers in
Cancer Drug Development (IBCD):
A Joint Meeting Presented by
the EORTC, NCI, EMA, and AACR**

October 25, 2022 | Barcelona, Spain

Scientific Committee Cochairs: Roberto Salgado,
Tracy G. Lively, and David B. Solit

**EORTC-NCI-AACR Molecular Targets and
Cancer Therapeutics Symposium**

October 26-28, 2022 | Barcelona, Spain

Scientific Committee Cochairs: Ruth Plummer,
James L. Gulley, and Lillian L. Siu

Myeloma and Plasma Cell Dyscrasias

November 3-5, 2022 | Boston, MA

Conference Cochairs: Kenneth C. Anderson and
Irene M. Ghobrial

**2nd AACR-KCA Joint Workshop on
Precision Medicine in Cancer**

November 10-11, 2022 | Seoul, Korea

Workshop Cochairs: Nilofer S. Azad and Tae Min Kim

Cancer Metastasis

November 14-17, 2022 | Portland, OR

Conference Cochairs:
Fabrice Andre, Sean J. Morrison, Danny R. Welch,
and Zena Werb

**Precision Prevention, Early Detection, and
Interception of Cancer**

November 17-19, 2022 | Austin, TX

Conference Chair: Timothy R. Rebeck
Conference Cochairs: Sangeeta N. Bhatia, Luis A. Diaz, Jr., Ernest T. Hawk, and Philip W. Kantoff

Aging and Cancer

November 17-20, 2022 | San Diego, CA

Conference Cochairs: Steven E. Artandi, Joanna L. Groden, and Eileen P. White

San Antonio Breast Cancer Symposium

December 6-10, 2022 | San Antonio, TX

Codirectors: Carlos L. Arteaga and Virginia G. Kaklamani

Due to the nature of the COVID-19 pandemic, dates may be subject to change.

Learn more and register at
AACR.org/Calendar

Follow us @AACR




SafeCollect™ At-Home Sample Collection Kits

Designed Around User Experience for Self-Collection

Sample collection devices for **simple, non-invasive at-home testing**. The patented SafeCollect™ tube features a safety seal that prevents users from spilling, ingesting, or being exposed to the stabilization solution. The unique safety seal is punctured after adding a sample to the tube, releasing the stabilization solution.



Learn more about SafeCollect™ At-Home Sample Collection Kits at
www.zymoresearch.com/pages/safecollect