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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)

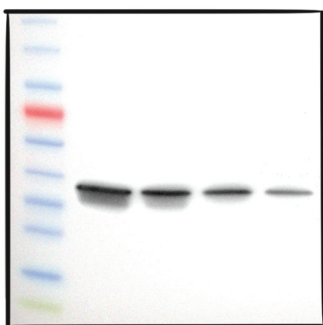
Cas12a (Cpf1) belongs to class II and type VI CRISPR system effector proteins, and is an endonuclease that binds to and cleavages specific sites of target DNA under the guidance of single-stranded guide RNA. It has been widely used in gene editing of microorganisms, plants, and animals, and has a great 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.

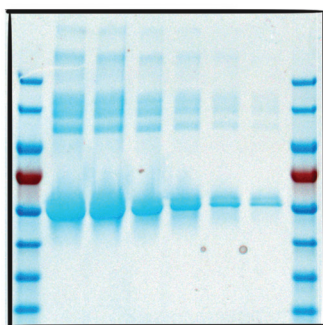
NEW PRODUCT



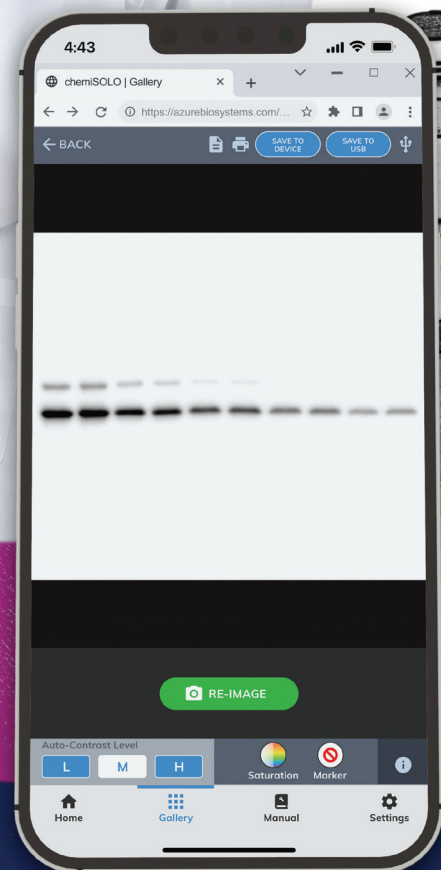
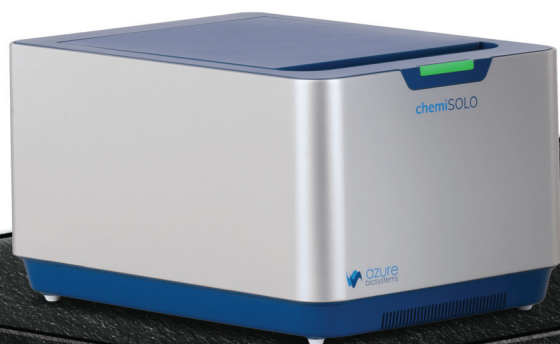
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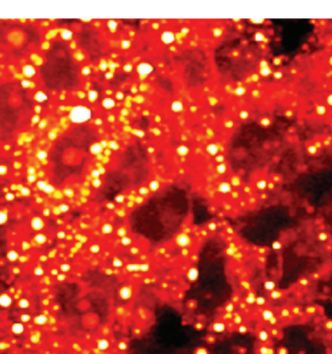
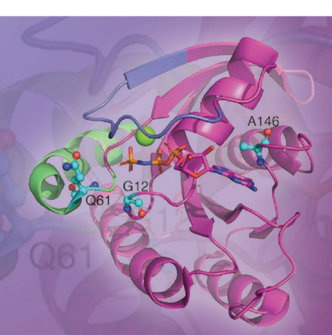
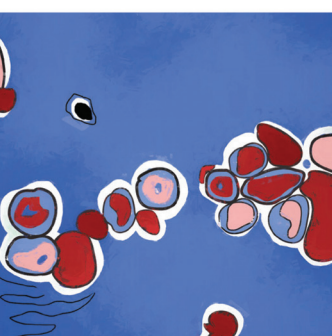
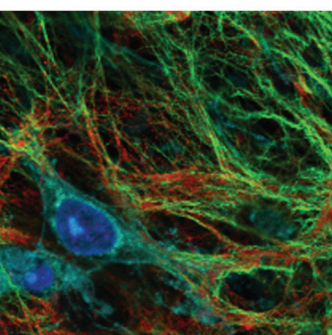


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Acute Myeloid Leukemia and Myelodysplastic Syndrome

January 23-25, 2023 | Austin, TX

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Figueroa, and Ruben Mesa

Pediatric Hematologic Malignancies

February 19 - 22, 2023 | New Orleans, LA

Conference Cochairs: Terry J. Fry, Mignon
L. Loh, and Alejandro Gutierrez

Targeting RAS

March 5-8, 2023 | Philadelphia, PA

Conference Cochairs: Mariano Barbacid, Dafna
Bar-Sagi, Frank McCormick, and Deborah
K. Morrison

EACR-AACR Basic and Translational Research Conference: Immune Responses and DNA Repair: Cancer Fields Converging

March 15 - 17, 2023 | Florence, Italy

Scientific Program Committee Cochairs: Alberto
Bardelli, Michael B. Kastan, and Nicola Normanno

Advances in Prostate Cancer Research

March 15 - 18, 2023 | Denver, CO

Conference Cochairs: Cory Abate-Shen, Felix Y.
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AACR Annual Meeting 2023

April 14-19, 2023 | Orlando, FL

Program Committee Chair: Robert H. Vonderheide

Advances in Kidney Cancer Research

June 24 - 27, 2023 | Austin, TX

Conference Cochairs: Othon Iliopoulos, M. Celeste
Simon, Cheryl Lyn Walker, and Qing Zhang

Molecular Biology in Clinical Oncology Workshop

July 16 - 22, 2023 | San Diego, CA

Workshop Director: Ross L. Levine
Workshop Codirectors: Christine M. Lovly, and
Jean Y. Tang

Integrative Molecular Epidemiology Workshop

July 24 - 28, 2023 | Boston, MA

Workshop Codirectors: Peter Kraft, Lorelei A.
Mucci, and Elizabeth A. Platz

The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved

September 29 – October 2, 2023 | Orlando, FL

Conference Cochairs: To be announced

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

Learn more and register at
AACR.org/Calendar

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ZYMO RESEARCH

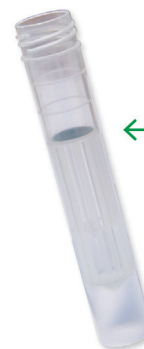
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