

Active Recombinant Acidaminococcus sp. BV3L6 AsCas12a Nuclease, His-tagged

Cat. No. Cas12a-11026A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AsCas12a Nuclease is a recombinant Acidaminococcus sp. BV3L6 Cas12 protein purified from Escherichia coli for CRISPR-based genome editing. Unlike the specific recognition sequence of Cas9, the Cas12a protein recognition AT-rich sequence.
Species	Acidaminococcus sp. BV3L6
Source	E. coli
Description	Cas12a, with its unique targeting and cleavage activity towards DNA, has been widely applied in gene editing and molecular diagnostics.
Form	Supplied as 0.2 µm filtered solution in 20 mM Tris, 300 mM NaCl, pH 7.5 with glycerol as protectant.
Bio-activity	Measured by its ability to cleave a targeted DNA substrate. Cas12a achieves >90% substrate cleavage.
Endotoxin	Less than 0.1 EU/µg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Applications	Developed as a powerful gene editing tool.
Storage	This product is stable after storage at: The product MUST be stored at -70 centigrade

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

or lower upon receipt; -70 centigrade for 12 months under sterile conditions.

Concentration 5 µg/µL

Shipping This product is supplied and shipped with dry ice, please inquire the shipping cost.

GENE INFORMATION

Official Symbol Cas12a

Synonyms Cas12a

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA