Resource Summary Report

Generated by T1D on Aug 9, 2026

CRISPR-Cas9 conjugation platform for engineering designer beta cells

RRID:SCR_026072
Type: Tool

Proper Citation

CRISPR-Cas9 conjugation platform for engineering designer beta cells (RRID:SCR_026072)

Resource Information

URL: https://patents.google.com/patent/US20220162649A1/en

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Description: This technology relies on newly described chemical modifications that allow site-specific and multiple-site conjugation of a wide assortment of molecules on both the termini and internal sites of Cas9, creating a platform for endowing Cas9 with diverse functions. Using this platform, Cas9 can be modified to more precisely incorporate exogenously supplied single-stranded oligonucleotide donor (ssODN) at the DNA break site. We demonstrate that the multiple-site conjugation of ssODN to Cas9 significantly increases the efficiency of precision genome editing, and such a platform is compatible with ssODNs of diverse lengths.

Resource Type: instrument resource

Defining Citation: PMID:32792475

Resource Name: CRISPR-Cas9 conjugation platform for engineering designer beta cells

Resource ID: SCR_026072

Record Creation Time: 20241121T053249+0000

Record Last Update: 20260808T190736+0000

Ratings and Alerts

No rating or validation information has been found for CRISPR-Cas9 conjugation platform for engineering designer beta cells.

No alerts have been found for CRISPR-Cas9 conjugation platform for engineering designer beta cells.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.