

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

cer227[mex-5p::SpG(smu-2 introns) + unc-119(+)] II; unc-119(ed3) III.

RRID:WB-STRAIN:WBStrain00054680

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00054680

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00054680>

Proper Citation: RRID:WB-STRAIN:WBStrain00054680

Description: Caenorhabditis elegans with name cer227[mex-5p::SpG(smu-2 introns) + unc-119(+)] II; unc-119(ed3) III. from WB.

Species: Caenorhabditis elegans

Synonyms: cer227[mex-5p::SpG(smu-2 introns) + unc-119(+)] II; unc-119(ed3) III.

Notes: Made_by: Dmytro Kukhtar|"Missense mutations D1135L and S1136W, G1218K and E1219Q, and R1335Q and T1337R were introduced on the Cas9 gene at EG9615 strain, to cause endogenous expression of the Cas9 variant SpG. SpG is efficient for CRISPR on NGN PAM sites. Reference: Vicencio J, et al. Nature Communication, 2022. May 12;13(1):2601. doi: 10.1038/s41467-022-30228-4."

Affected Gene: WBGene00003230(mex-5)|WBGene00004896(smu-2)|WBGene00006843(unc-119)

Genomic Alteration: WBGene00003230(mex-5), WBGene00004896(smu-2), WBGene00006843(unc-119)

Catalog Number: WB-STRAIN:WBStrain00054680

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: cer227[mex-5p::SpG(smu-2 introns) + unc-119(+)] II; unc-119(ed3) III.

Record Creation Time: 20240716T202603+0000

Record Last Update: 20260725T172813+0000

Ratings and Alerts

No rating or validation information has been found for cer227[mex-5p::SpG(smu-2 introns) + unc-119(+)] II; unc-119(ed3) III..

No alerts have been found for cer227[mex-5p::SpG(smu-2 introns) + unc-119(+)] II; unc-119(ed3) III..

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We have not found any literature mentions for this resource.