

Resource Summary Report

Generated by [NIF](#) on Sep 4, 2026

[KK1228](#)

RRID:WB-STRAIN:WBStrain00023583

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00023583

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00023583>

Proper Citation: RRID:WB-STRAIN:WBStrain00023583

Description: Caenorhabditis elegans with name pkc-3(it309[GFP::pkc-3]) II. from WB.

Species: Caenorhabditis elegans

Synonyms: pkc-3(it309[GFP::pkc-3]) II.

Notes: Made_by: L Coyne & K Kemphues|"Superficially wild-type. Note that double homozygous mutants of pkc-3(it309) with par-2(it315) exhibited partially penetrant and variable maternal effect lethality and maternal effect sterility that was stronger than it315 alone. Thus, although the GFP tag on pkc-3 shows no effect in an otherwise wild-type background, it does seem to somewhat compromise the activity of the protein it tags. Made in N2 background."|"WBStrain provided so WBPaper00060754 paper added based on AFP_Strain data."

Affected Gene: WBGene00004034(pkc-3)

Genomic Alteration: WBGene00004034(pkc-3)

Catalog Number: WB-STRAIN:WBStrain00023583

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:33300872](#), [PMID:39652540](#)

Alternate IDs: WB-STRAIN:KK1228, CGC_KK1228

Organism Name: KK1228

Record Creation Time: 20230227T013516+0000

Record Last Update: 20260829T161855+0000

Ratings and Alerts

No rating or validation information has been found for KK1228.

No alerts have been found for KK1228.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Rodrigues NTL, et al. (2024) Quantitative perturbation-phenotype maps reveal nonlinear responses underlying robustness of PAR-dependent asymmetric cell division. PLoS biology, 22(12), e3002437.

Koch LA, et al. (2023) Multiple pathways for reestablishing PAR polarity in C.??elegans embryo. Developmental biology, 500, 40.

Zhang N, et al. (2023) The biosynthetic-secretory pathway, supplemented by recycling routes, determines epithelial membrane polarity. Science advances, 9(26), eade4620.

Rodriguez J, et al. (2017) aPKC Cycles between Functionally Distinct PAR Protein Assemblies to Drive Cell Polarity. Developmental cell, 42(4), 400.