

Resource Summary Report

Generated by [Kravitz](#) on Sep 20, 2026

XZ2081

RRID:WB-STRAIN:WBStrain00040700

Type: Organism

Proper Citation

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Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00040700>

Proper Citation: RRID:WB-STRAIN:WBStrain00040700

Description: Caenorhabditis elegans with name hif-1(ia4) V; yakEx143. from WB.

Species: Caenorhabditis elegans

Synonyms: hif-1(ia4) V; yakEx143.

Notes: yakEx143 [dpy-7p::hif-1(cDNA) + myo-2p::mCherry]. Pick animals with red pharynx to maintain. HIF-1 expressed from a hypodermal-specific promoter in hif-1 mutant background for tissue-specific rescuing experiments. yakEx143 does not rescue lethality in hif-1 mutant animals exposed to 50ppm hydrogen sulfide. Reference: Topalidou I & and Miller DL. bioRxiv 174581; doi: <https://doi.org/10.1101/174581>

Affected Gene: WBGene00001851(hif-1)

Genomic Alteration: WBGene00001851(hif-1)

Catalog Number: WB-STRAIN:WBStrain00040700

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:XZ2081, CGC_XZ2081

Organism Name: XZ2081

Record Creation Time: 20230227T013726+0000

Record Last Update: 20260919T180918+0000

Ratings and Alerts

No rating or validation information has been found for XZ2081.

No alerts have been found for XZ2081.

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.