

# Resource Summary Report

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

## star-for-criu

RRID:SCR\_016294

Type: Tool

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### Proper Citation

star-for-criu (RRID:SCR\_016294)

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### Resource Information

**URL:** <https://hub.docker.com/r/biodepot/star-for-criu/>

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**Description:** Software as an Hot Start software container for STAR alignment using CRIU (Checkpoint Restore in Userspace) tool to freeze the running container. Can be deployed to align RNA sequencing data. Used in the processing of biomedical big data for better reproducibility and reliability.

**Resource Type:** alignment software, data processing software, image analysis software, software application, software resource

**Keywords:** hot, start, container, star, aligner, sequencing, data, processing, biomedical, cloud, reproducibility, RNA, analysis, computing, environment

**Funding:** AMEDD Advanced Medical Technology Initiative ;  
NHLBI U54 HL127624;  
NIGMS R01 GM126019

**Availability:** Free, Freely available, Available for download

**Resource Name:** star-for-criu

**Resource ID:** SCR\_016294

**Alternate URLs:** <https://github.com/paizhang/Hotstarting-For-STAR-Alignment>

**License:** MIT, CC-BY-NC-ND 4.0 International license

**Record Creation Time:** 20220129T080330+0000

**Record Last Update:** 20260919T195320+0000

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### Ratings and Alerts

No rating or validation information has been found for star-for-criu.

No alerts have been found for star-for-criu.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Zhang P, et al. (2018) Hot-starting software containers for STAR aligner. GigaScience, 7(8).