

Resource Summary Report

Generated by [nidm-terms](#) on Jul 29, 2026

star-for-criu

RRID:SCR_016294

Type: Tool

Proper Citation

star-for-criu (RRID:SCR_016294)

Resource Information

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

Proper Citation: star-for-criu (RRID:SCR_016294)

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: software application, software resource, data processing software, alignment software, image analysis software

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

Funding: NHLBI U54 HL127624;
AMEDD Advanced Medical Technology Initiative ;
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: 20260729T044416+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

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