

Resource Summary Report

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HKL 3000

RRID:SCR_015023

Type: Tool

Proper Citation

HKL 3000 (RRID:SCR_015023)

Resource Information

URL: <http://hkl-xray.com/>

Proper Citation: HKL 3000 (RRID:SCR_015023)

Description: Semi-automatic crystallographic data collection software that integrates data collection, data reduction, phasing and model building in a single software package.

Synonyms: HKL-3000, HLK3000, HKL 3000R, HKL-3000R, HKL3000R

Resource Type: data acquisition software, data processing software, software application, software resource

Defining Citation: [PMID:16855301](#)

Keywords: crystallography, crystallographic data collection, software package, hardware management software

Availability: License required

Resource Name: HKL 3000

Resource ID: SCR_015023

Alternate URLs: <https://www.rigaku.com/en/products/protein/hkl3000r>

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260905T132753+0000

Ratings and Alerts

No rating or validation information has been found for HKL 3000.

No alerts have been found for HKL 3000.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 182 mentions in open access literature.

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

??zden C, et al. (2022) CaMKII binds both substrates and activators at the active site. Cell reports, 40(2), 111064.

Wang B, et al. (2022) YihE is a novel binding partner of Rho and regulates Rho-dependent transcription termination in the Cpx stress response. iScience, 25(12), 105483.

Horton JR, et al. (2022) Structural characterization of dicyanopyridine containing DNMT1-selective, non-nucleoside inhibitors. Structure (London, England : 1993), 30(6), 793.

Ki N, et al. (2022) Isocitrate binds to the itaconic acid-responsive LysR-type transcriptional regulator RipR in Salmonella pathogenesis. The Journal of biological chemistry, 298(11), 102562.

Mays SG, et al. (2022) A phospholipid mimetic targeting LRH-1 ameliorates colitis. Cell chemical biology, 29(7), 1174.

Tang L, et al. (2022) Structural basis of SARS-CoV-2 and its variants binding to intermediate horseshoe bat ACE2. International journal of biological sciences, 18(12), 4658.

Chen X, et al. (2021) Vaccination induces maturation in a mouse model of diverse unmutated VRC01-class precursors to HIV-neutralizing antibodies with >50% breadth. Immunity, 54(2), 324.

Li J, et al. (2021) Structural study of the N-terminal domain of human MCM8/9 complex. Structure (London, England : 1993), 29(10), 1171.

Kim S, et al. (2021) Leucine-sensing mechanism of leucyl-tRNA synthetase 1 for mTORC1 activation. Cell reports, 35(4), 109031.

Kim S, et al. (2021) Protocol for improving diffraction quality of leucyl-tRNA synthetase 1 with methylation and post-crystallization soaking and cooling in cryoprotectants. STAR protocols, 2(3), 100642.

Lim SM, et al. (2021) Structures of FHOD1-Nesprin1/2 complexes reveal alternate binding modes for the FH3 domain of formins. Structure (London, England : 1993), 29(6), 540.

Cottrell CA, et al. (2021) Structural basis of glycan276-dependent recognition by HIV-1 broadly neutralizing antibodies. Cell reports, 37(5), 109922.

Estes B, et al. (2021) Next generation Fc scaffold for multispecific antibodies. *iScience*, 24(12), 103447.

Dawson CD, et al. (2021) Molecular basis of C-S bond cleavage in the glycyl radical enzyme isethionate sulfite-lyase. *Cell chemical biology*, 28(9), 1333.

Liang X, et al. (2021) CIB2 and CIB3 are auxiliary subunits of the mechanotransduction channel of hair cells. *Neuron*, 109(13), 2131.

Zhang Y, et al. (2021) Crystal structure of the PDZ4 domain of MAGI2 in complex with PBM of ARMS reveals a canonical PDZ recognition mode. *Neurochemistry international*, 149, 105152.

Hudson JD, et al. (2021) A complete Protocadherin-19 ectodomain model for evaluating epilepsy-causing mutations and potential protein interaction sites. *Structure (London, England : 1993)*, 29(10), 1128.

Wang J, et al. (2021) Molecular and structural basis of olfactory sensory neuron axon coalescence by Kirrel receptors. *Cell reports*, 37(5), 109940.

Murin CD, et al. (2021) Convergence of a common solution for broad ebolavirus neutralization by glycan cap-directed human antibodies. *Cell reports*, 35(2), 108984.

Wan T, et al. (2021) Structural insights into the functional divergence of WhiB-like proteins in *Mycobacterium tuberculosis*. *Molecular cell*, 81(14), 2887.