

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: 20260912T195824+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 [NIF](#) .

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

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

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.

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

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.

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.

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

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.

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.

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

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.

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.

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

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

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

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.

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.

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.

Chen W, et al. (2021) Calmodulin binds to Drosophila TRP with an unexpected mode. Structure (London, England : 1993), 29(4), 330.