Supplementary Material

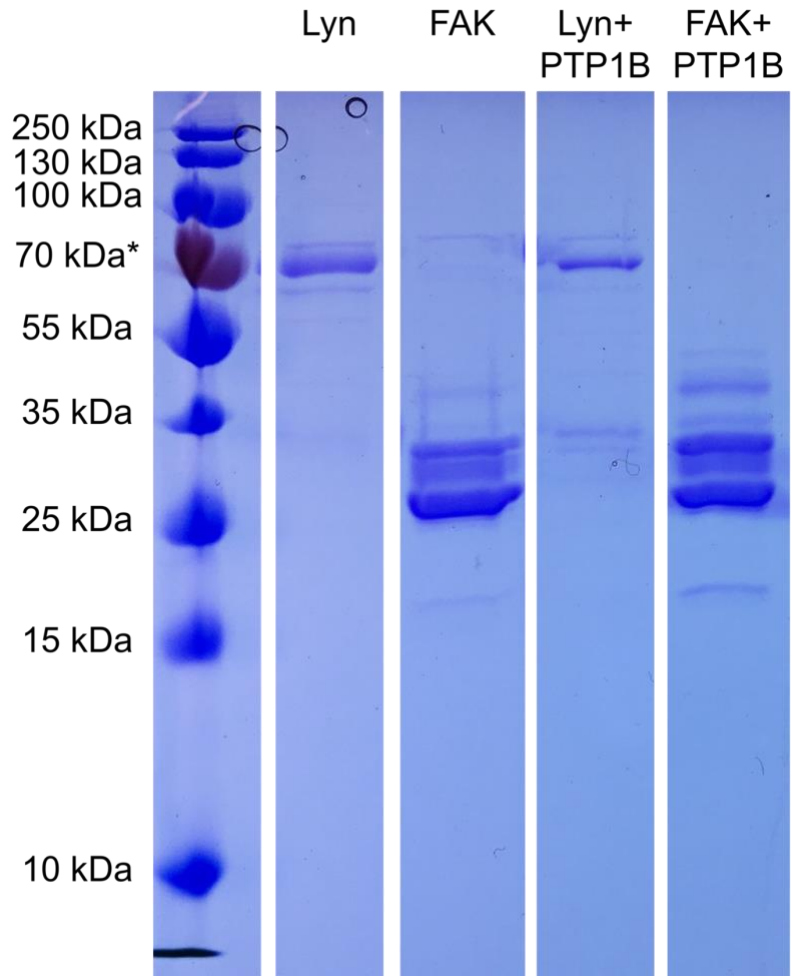
Methods for the recombinant expression of active tyrosine kinase domains: guidelines and pitfalls

Authors: M.Escarlet Díaz Galicia, Abdullah Aldehaiman, SeungBeom Hong, Stefan T. Arold*, Raik Grünberg*

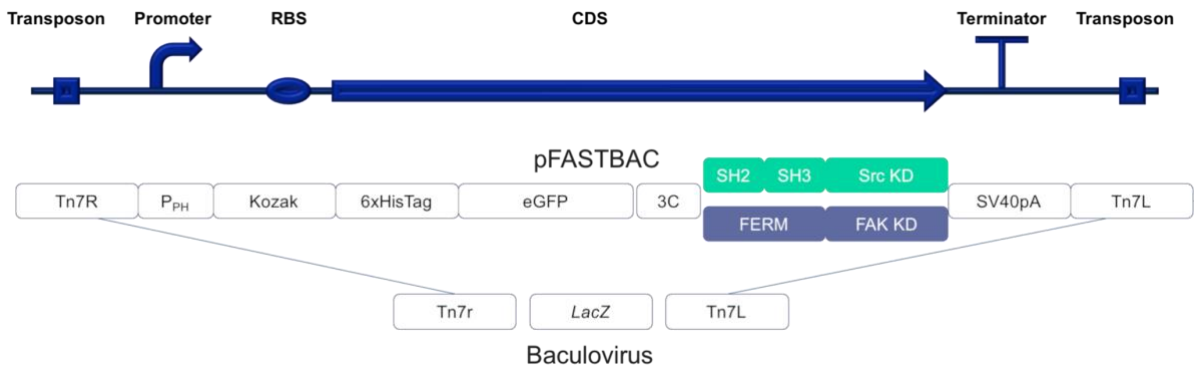
King Abdullah University of Science and Technology (KAUST), Computational Bioscience Research Center (CBRC), Division of Biological and Environmental Sciences and Engineering (BESE), Thuwal 23955-6900, Saudi Arabia
*Correspondence can be addressed to: STA (stefan.arold@kaust.edu.sa) or RG (raik.grunberg@kaust.edu.sa)

Supporting information

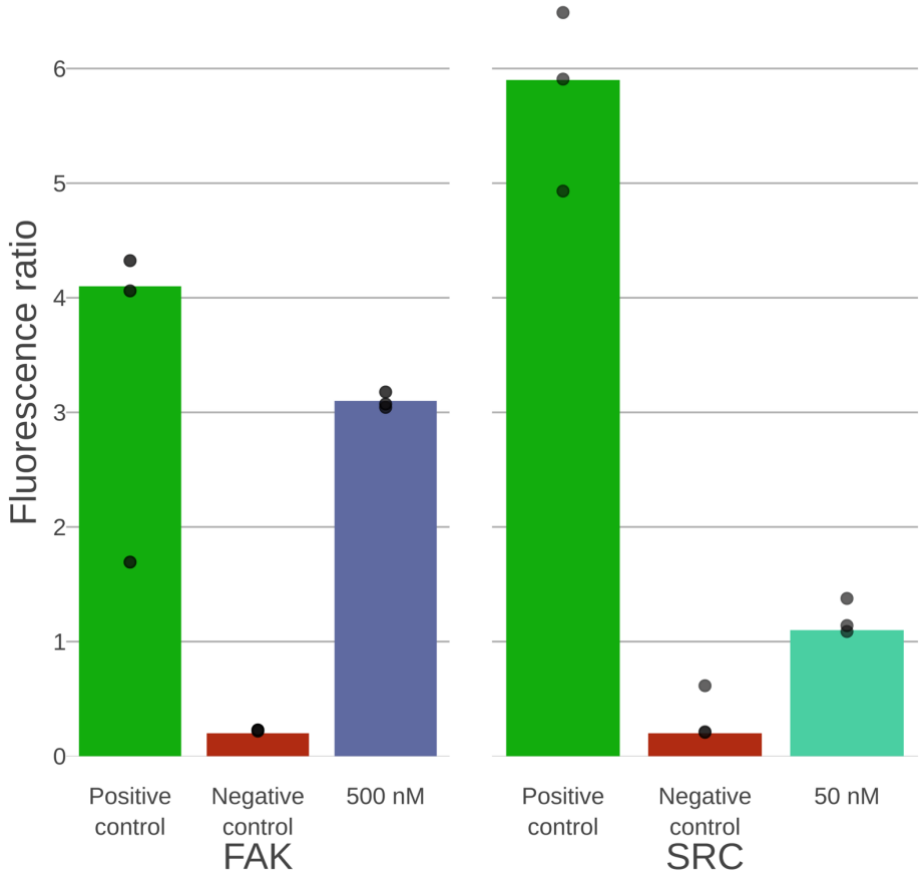
Supplementary figures



Supplementary Figure S1: SDS-PAGE of FAK and, for comparison, Lyn KD after large-scale expression and SEC. Lanes assembled from single gel. * Lyn expected size of 65.9 kDa, FAK expected size 69.7 kDa.



Supplementary Figure S2: Construct design of insect-cell expressed kinases**.** Residues 31-687 of human FAK include FERM and FAK KD (KD); Residues 86-529 of human Src include the N-terminal SH2 and SH3 domains and Src KD without the regulatory Tyr530.



Supplementary Figure S3: Kinase activity assay of insect-cell expressed kinases. Activity of insect-cell expressed kinases was measured with constant ATP (100µM) and peptide substrate (2µM) concentrations. Bars represent the median of three measurements.