

High Throughput Protein Production



Flexible



Cost-Efficient

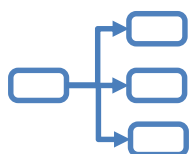


Fast turn-around



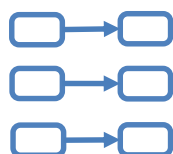
mg amounts

Automated multi-step purification platform for fast parallelized production of high quality proteins



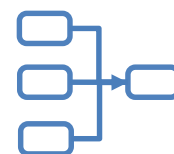
Multi-Parameter

Construct or condition scouting:
up to 12 constructs in parallel in medium scale



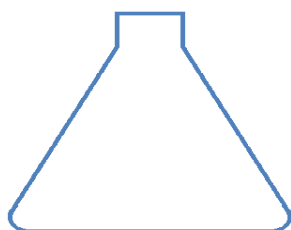
Multi-Target

Parallelized large scale production:
up to 12 proteins in parallel in large scale

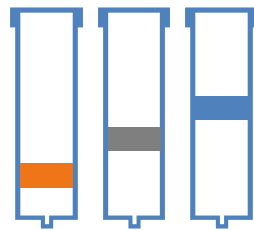


Multi-Upscale

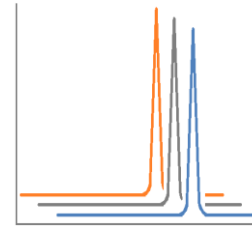
Large scale production of challenging targets:
up to 100 L expression resulting in one protein lot



Expression in E. coli, insect cells, mammalian



Parallel multistep purification



QC: purity, homogeneity, identity, PTM

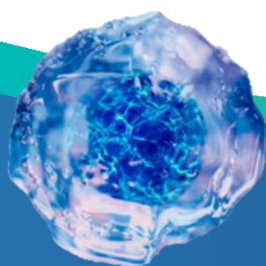
Contact us

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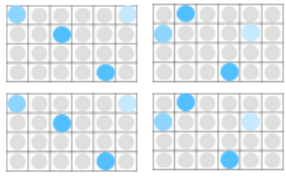


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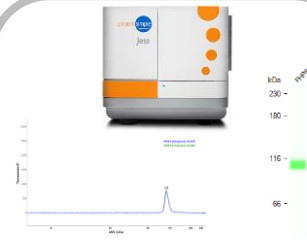
Automated Expression and Purification Platform



Small-scale expression screen (*E. coli*, Sf21, Tni, HEK293, CHO)

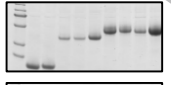


Parallelized test purification

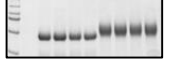


Expression Level Quantification

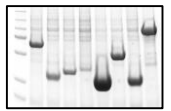
HEK293



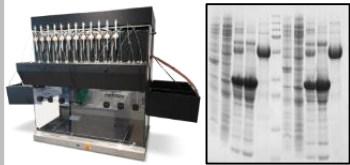
CHO



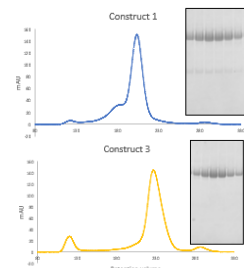
Sf21 / Sf9 / Tni



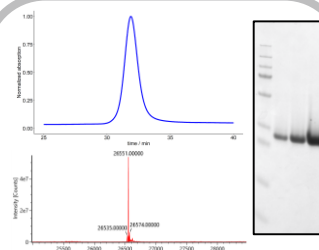
Purity & yield assessment by SDS-PAGE



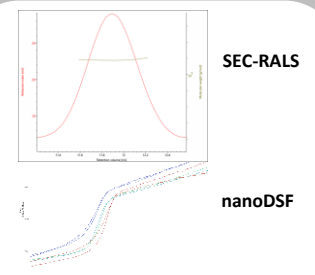
12 parallelized multi-step purifications



Serial size exclusion as polishing step



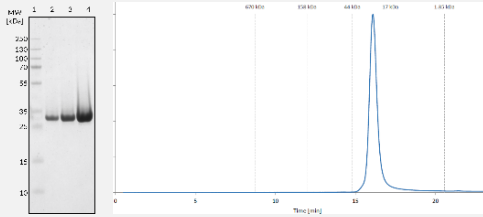
Standard QC: mass spec analysis, analytical SEC and SDS-PAGE



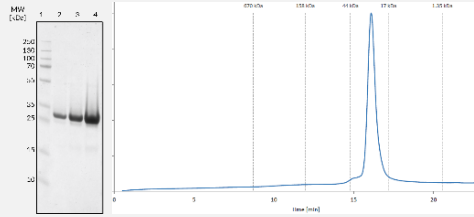
Extended QC: SEC-RALS, nanoDSF or DLS

Case Study: Parallelized Production of p53 and its disease relevant variants within 1 week

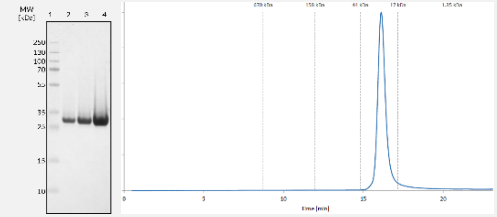
p53DBD (WT)



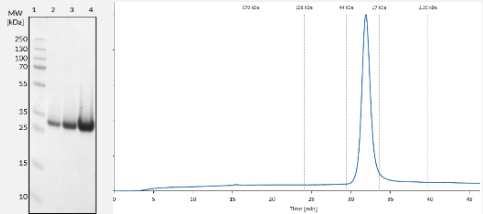
p53DBD (Y220C)



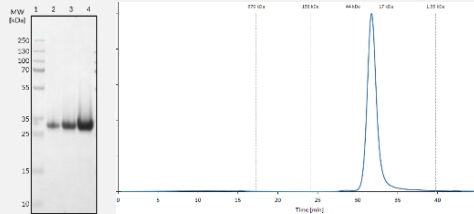
p53DBD (Y220C stabilized)



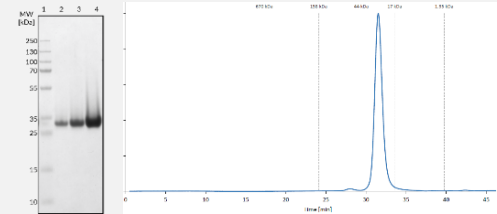
p53DBD (V172H)



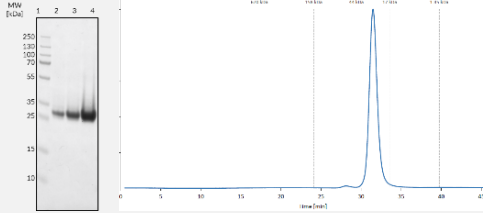
p53DBD (V172H stabilized)



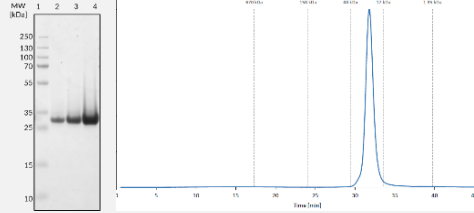
p53DBD (R175H)



p53DBD (R175H stabilized)



p53DBD (R282W)



p53DBD (R282W stabilized)

