



Anthropic designed. Twist delivered.

The wet lab behind Claude's protein designs

1,260

Designs

aSEC & SPR

Every candidate

< 21

Days to data

HEK293

Mammalian expression

Claude generated the designs

Anthropic needed an independent lab that could build them, measure them, and return the data fast. They reported binders against 14 of the 15 targets, with hit rates well above what's typical for protein design campaigns today.

From sequence file to model-ready dataset

Anthropic designs and retrain. Twist does everything in between, from antigen sourcing through affinity data (Figure 1).

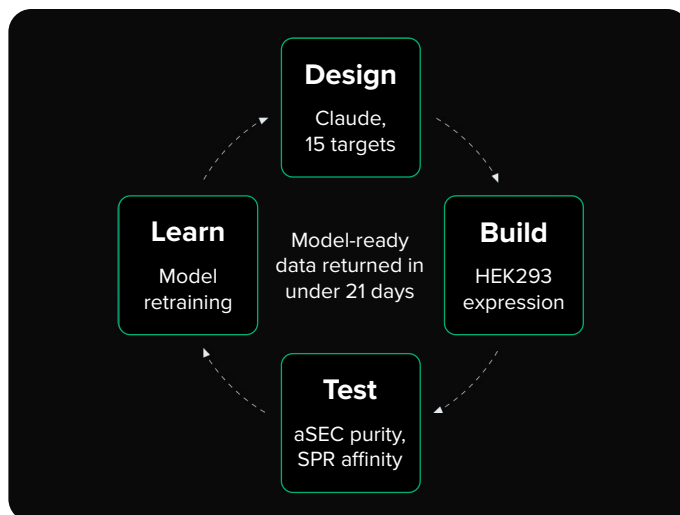


Figure 1. Antigen sourcing, HEK293 expression, aSEC purity check, and SPR affinity determination, run identically for every candidate.



Faster design means more experiments, not fewer

Programs that once ran tens of candidates against one or two targets are now running hundreds to thousands across five, ten, or more. Every one of those designs still has to be built and measured.

Ready for what your model needs to learn next



Binding

Confirmation, kinetics, affinity, and epitope binning on Carterra LSA or Octet, plus ELISA and flow cytometry



Developability

AC-SINS, aSEC, nanoDSF, DLS, HIC, BVP ELISA, OVA, and CIC



Advanced characterization

Intact mass, endotoxin, and custom cell-based assays for internalization, immunogenicity, cytotoxicity, and cross-reactivity



Formats

VHH, scFv, Fab, VHH-Fc, and full-length IgG in HEK or CHO, 1 mL to 24 mL

From the DNA that encodes your designs to the characterization data that trains on them, Twist provides a full ecosystem for advancing and validating your model.



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Results are specific to the institution where they were obtained and may not reflect the results achievable at other institutions.

