

Proteins start here.

Know which proteins have the best chance of success from day one.

Explore eProtein Discovery™.

Combining cell-free protein synthesis, digital microfluidics, and robust data, our multiplex solution enables rapid in-house protein screening, characterization, and small-scale expression within days.

- ▶ **Effortless multiplex screening.** In 24 hours, parallel screens rank constructs, solubility tags, and customizable Cell-free Blends to identify soluble, purified high-yield hits.
- ▶ **Decision-grade data** from an on-cartridge fluorescence assay that quantifies only full-length, soluble protein.
- ▶ **Assay-ready soluble and membrane proteins protein in 48 hours.** Scale-up optimized expression and purification conditions to µg–mg output for structural and functional studies.



One system to access soluble and membrane proteins.

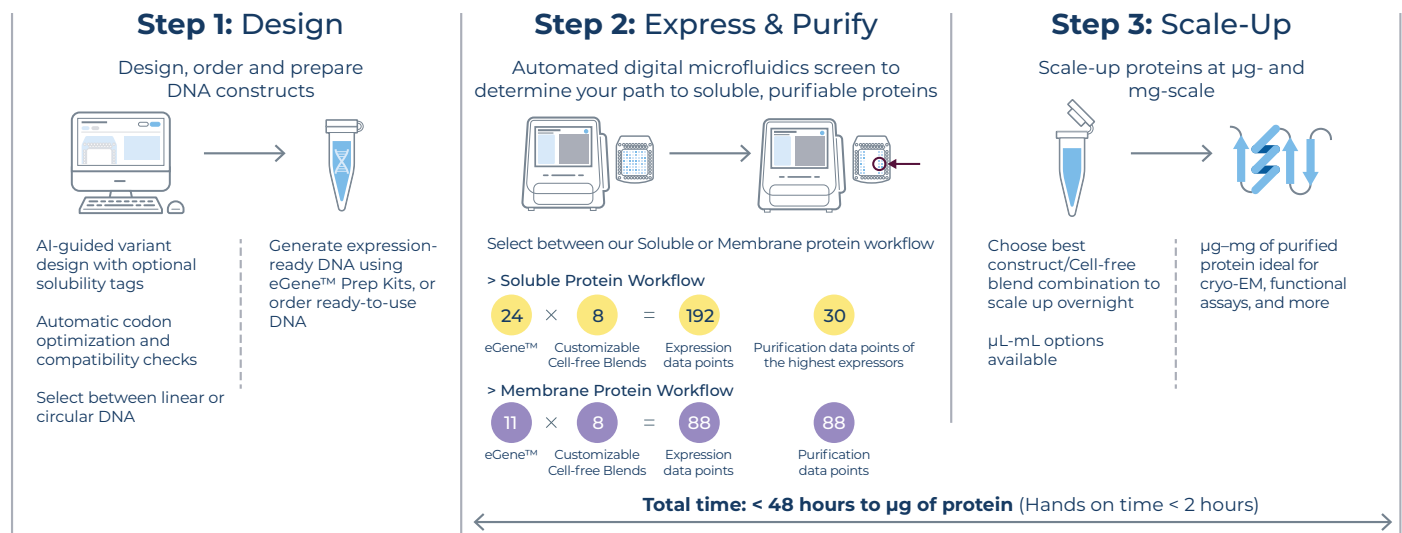


Figure 1. The eProtein Discovery workflow.

Multiplex screening maps your path to protein.

Stop trial-and-error. Parallel cell-free screens identify the construct and Cell-free Blend pairs with the highest chance of success in 24 hours.

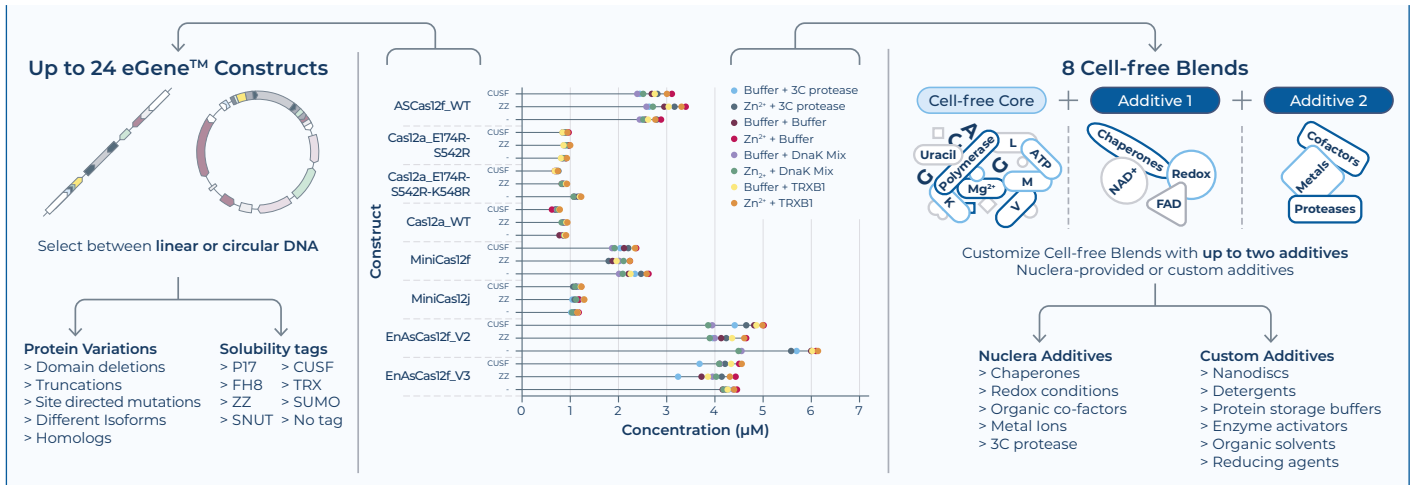


Figure 2. Screening dimensions of the eProtein Discovery system. Example dataset (CAS12) showing 24 constructs × 8 Cell-free Blends = 192 expression datapoints; top-30 purified (Soluble Protein workflow).

Assay-ready protein in 48 hours for all structural and functional studies.

Scale-up overnight from ranked conditions to µg–mg quantities; plug into cryo-EM, enzymatic, and binding workflows.

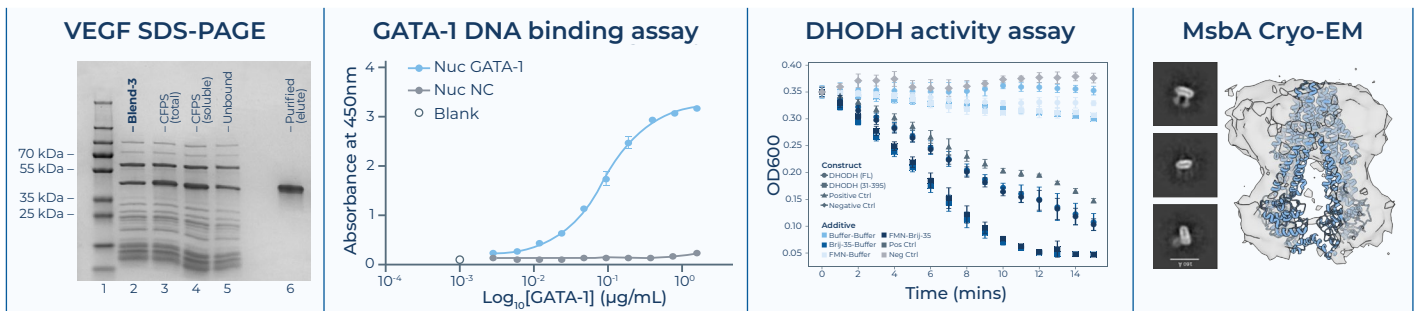


Figure 3. Assays performed on proteins produced with eProtein Discovery.

Proven performance.

Over 1000 proteins produced	146 µg / mL average yield	92% average purity	66% human proteins	90% protein obtainability
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