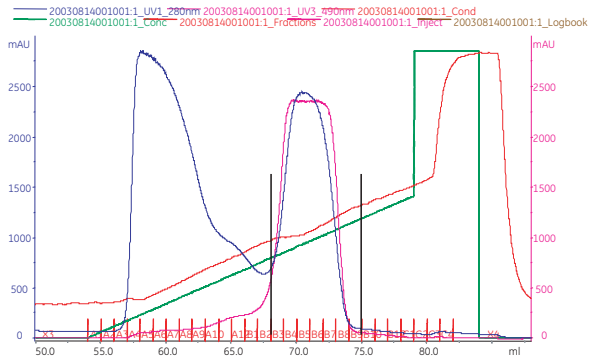


HisTrapを使用した精製例



Sample: (His)₆-tagged Green Fluorescent Protein (GFP-(His)₆), approx.12 mg in 19 ml *E. coli* extract.

Binding buffer: 20 mM Na-phosphate, 500 mM NaCl, 5 mM imidazole, pH 7.4.

Elution buffer: 20 mM Na-phosphate, 500 mM NaCl, 500 mM imidazole, pH 7.4.

Linear gradient elution: 5 ~ 250 mM imidazole, followed by a "push" with 500 mM imidazole.

Columns:

- Ni Sepharose High Performance packed in 1 ml HiTrap column (2.5 cm × 7 mm diameter).

Blue = A₂₈₀ nm.

Purple = A₄₉₀ nm (GFP is seen).

Red = conductivity

Green hatched = programmed %B.

Black vertical lines indicates the final pools.