AGAROSE BEAD TECHNOLOGIES

COMPARATIVE STUDIES

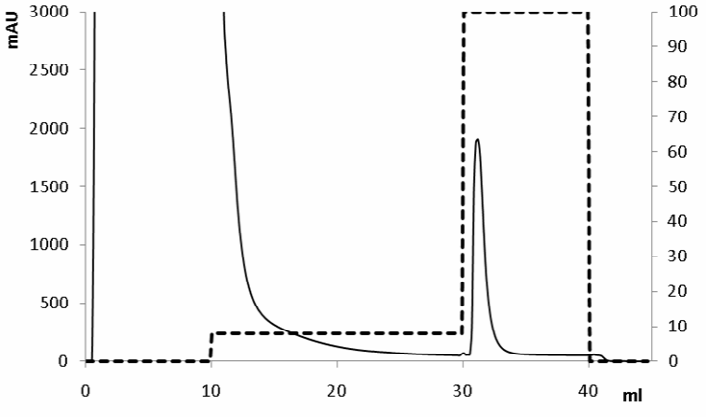
Chelating NTA Agarose Beads

RESINS

Experiment:

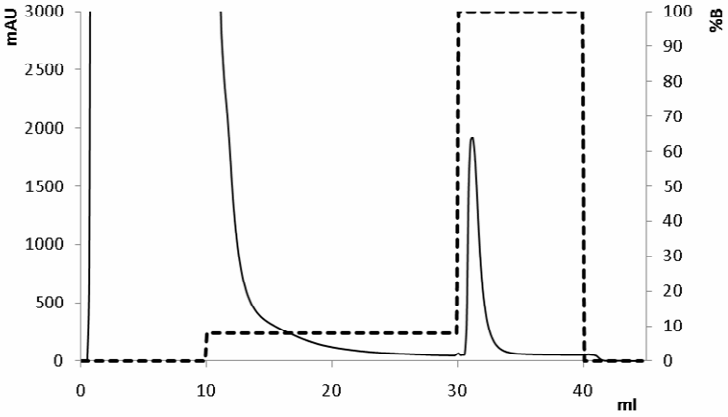
Unpurified extract containing 6xHis-tagged protein (30KDa) was tested under the same conditions with different NICKEL NTA charged chelating beads. The SDS-PAGE shows the eluted fraction in all the resins.

NICKEL NTA Agarose Resin (ABT)

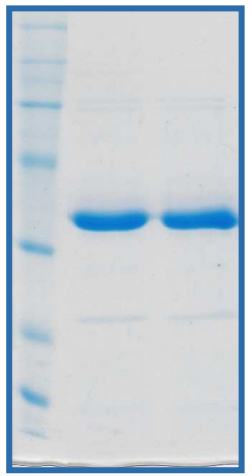


Yield: 25 mg

Ni- NTA Agarose (Competitor Q)



Yield: 25 mg



[His tagged protein]

1 2 3

Comparison:

1.- Molecular Weight markers
2.- Ni-NTA Agarose (ABT)
3.- Ni-NTA Agarose (Q)

SAMPLE: Clarified *E. coli lysate* (10 ml)
Conditions: 1ml bed volume, 7 mm diameter, 25 mm height. Binding buffer: 50 mM Na2HPO4, 300 mM NaCl, 10 mM Imidazole, pH 8.0.
Elution buffer: 50 mM Na2HPO4, 300 mM NaCl, 250 mM Imidazole, pH 8.0. Flow Rate: 1 ml /min. Running Temperature: 20ºC