

COMPARATIVES

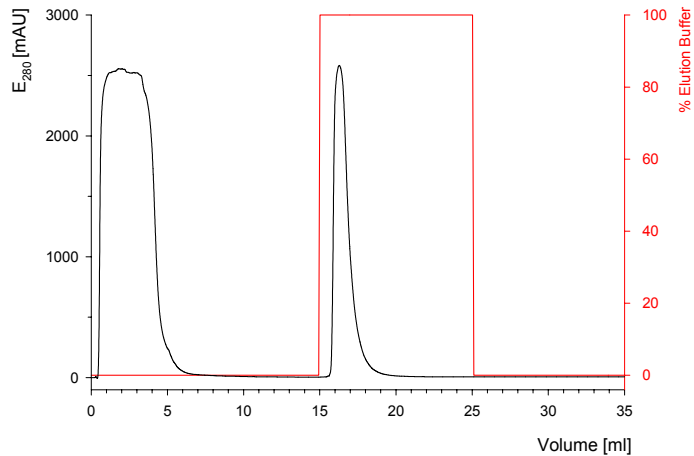
GST Tag Purification



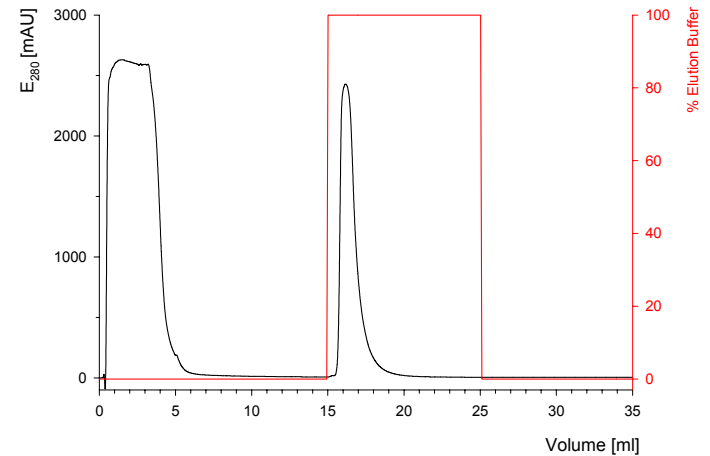
Experiment:

Clarified *E. coli* lysate containing recombinant Glutathione-S-Transferase, Mr 36100 Da was offered (under the same conditions) to different Glutathione agarose cartridges.

ABT-cartridge



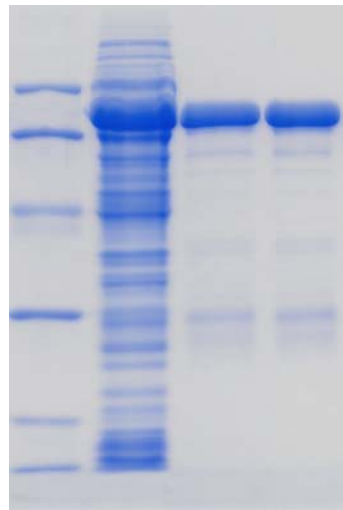
GE-cartridge



ABT cartridge	GE cartridge
12,2 (mg purified protein /cartridge)	11,8 (mg purified protein /cartridge)
Purity 94,5%	Purity 93,6 %

Experiment:

Clarified *E. coli* lysate containing GST-tagged protein, Mr 1326 KDa was offered (under the same conditions) to different Glutathione agarose cartridges.



0 1 2 3

ABT cartridge	GE cartridge
2,4 (mg purified protein /cartridge)	2,3 (mg purified protein /cartridge)
Purity 90,5 %	Purity 85,5%

Glutathione Agarose Resins (ABT) shows high performance for purification of recombinant GST-tagged proteins on ÄKTAprime™ plus. Yield and purity are comparable to GStrap™ 4B 1 ml columns.

- 0. Marker
- 1. Clarified *E. coli* lysate
- 2. pooled elution fractions (ABT-cartridge)
- 3. Pooled elution fractions (GE-cartridge)