

VISUAL PROTOCOL

Capturem His-Tagged Purification Maxiprep Kit

This protocol provides simple, rapid purification of his-tagged proteins in up to 25 ml of cleared lysate from mammalian or bacterial cell samples using the [Capturem His-Tagged Purification Maxiprep Kit](#) (Cat. # 635713). The columns are suitable for use under native or denaturing conditions, in the presence of additives such as DTT (up to 10 mM), β ME (up to 30 mM), TCEP (up to 5 mM), EDTA (up to 10 mM), or glycerol.



Pre-Purification Filtration

up to 25 ml of cleared lysate

- Load 2–25 ml cleared lysate onto the Capturem Maxiprep Filter (purple insert)
- Spin for 3 min
- Discard filter



- Save filtered lysate for Step 2



Step 1: Equilibrate

6 ml

- Add 6 ml xTractor Buffer to the Capturem Maxiprep Nickel Column (clear insert)
- Spin for 3 min
- Discard flowthrough



Step 2: Bind

up to 25 ml of filtered, cleared lysate

- Load 2–25 ml filtered lysate from the Pre-Purification Filtration step onto the Capturem Maxiprep Nickel Column
- Spin for 3 min
- Transfer column to a new collection tube and save flowthrough



Step 3: Wash

6 ml

- Add 6 ml Wash Buffer* to the Capturem Maxiprep Nickel Column
- Spin for 3 min
- Transfer column to a new collection tube and save flowthrough

*Optimize washing conditions by adding 200–800 μ l Elution Buffer to change the imidazole concentration.



Step 4: Elute

1 ml–1.5 ml

- Add 1 ml Elution Buffer to the Capturem Maxiprep Nickel Column
- Spin for 3 min
- Collection tube contains your eluted tagged protein

[Learn more about the Capturem His-Tagged Purification Maxiprep Kit >>](#)

[View web page >>](#)

http://www.clontech.com/US/Products/Protein_Expression_and_Purification/Protein_Learning_Center/Learning_Resources/Capturem_His-Tagged_Purification_Maxiprep_Kit_Protocol

This is a reprint from a page on our web site. All license, copyright, and trademark information pertaining to this content applies as stated in the original web content. This information can be found at www.clontech.com.