

His60 Ni Superflow™ Resin—60 mg/ml Binding Capacity

For purification of his-tagged proteins by batch/gravity-flow or FPLC

- **One-step purification of his-tagged proteins from a variety of samples**
- **Highest binding capacity and low leakage of Ni ions**
- **Purifies proteins under native or denaturing conditions**
- **Available as a 50% slurry or in prepacked 1 ml gravity columns**

Clontech has developed **His60 Ni Superflow Resin** for purification of his-tagged proteins—with the highest binding capacity to date—up to 60 mg/ml (based on purification of 6xHN-AcGFP1). This versatile resin, which may be used for batch/gravity flow and FPLC applications, is ideal for both small-scale and large-scale purifications. Purified recombinant proteins can be used for protein labeling, immunization to produce antibodies, or animal studies.

Clontech's **His60 Ni Superflow Resin** is a high-capacity resin for the efficient purification of his-tagged proteins from bacterial, mammalian, and baculovirus-infected cells. His60 Ni Resin is compatible with batch/gravity flow applications as well as with the major automated liquid chromatography systems and manual syringe processing. The resin enables fast, easy, and reproducible chromatographic separations and can be regenerated for multiple uses. His60 Ni Superflow resin is available in a variety of sizes and in prepacked gravity columns. The **His60 Ni Gravity Column Purification Kit** contains prepacked **His60 Ni Gravity Columns** and all of the buffers needed for protein extraction and purification (also available separately as the **His60 Ni Buffer Set**).

His60 Ni Superflow outperforms Competitor's Resin

In one application, His60 Ni Superflow Resin performance was compared to the performance of Competitor Q's Ni Superflow resin. 6xHN-AcGFP1 was purified from equivalent amounts of the same sample, following each manufacturer's protocol. Higher yields and better purity were obtained using His60 Ni Superflow Resin (Figure 1).

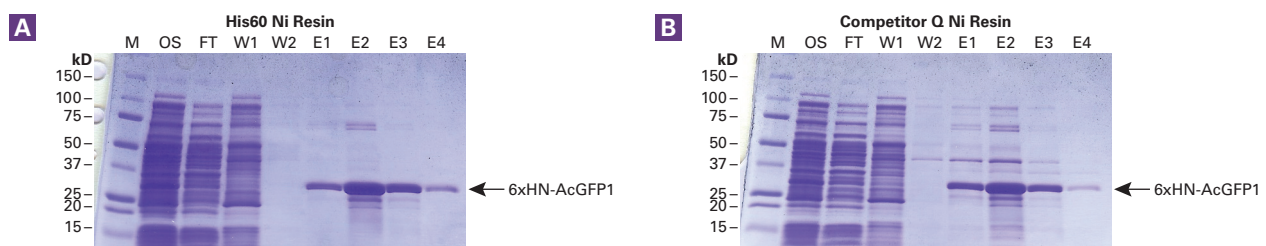


Figure 1. Superior yields and better purity were obtained when using His60 Ni Superflow for purification—as compared to Competitor Q's Ni resin. Clontech's pEcoli Linear Expression System was used to express 6xHN-AcGFP1 in *E. coli*. Equivalent amounts of the same sample were used for comparing His60 Ni Superflow Resin purification (**Panel A**) with Competitor Q Ni Resin purification (**Panel B**). Lane M: Molecular weight marker. Lane OS: Original sample. Lane FT: Flowthrough. Lanes W1 and W2: Wash. Lane E1–E4: Eluted 6xHN-AcGFP1 fractions.

Ordering Information

Product	Size	Cat. No.	Product	Size	Cat. No.
His60 Ni Superflow Resin	10 ml	635659	His60 Ni Gravity Columns	5 columns	635657
	25 ml	635660	His60 Ni Buffer Set	20 purifications	635665
	4 x 25 ml	635661	His60 Ni Gravity Column Purification Kit	20 purifications	635658
	250 ml	635662			
	2 x 250 ml	635663			
	4 x 250 ml	635664			

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